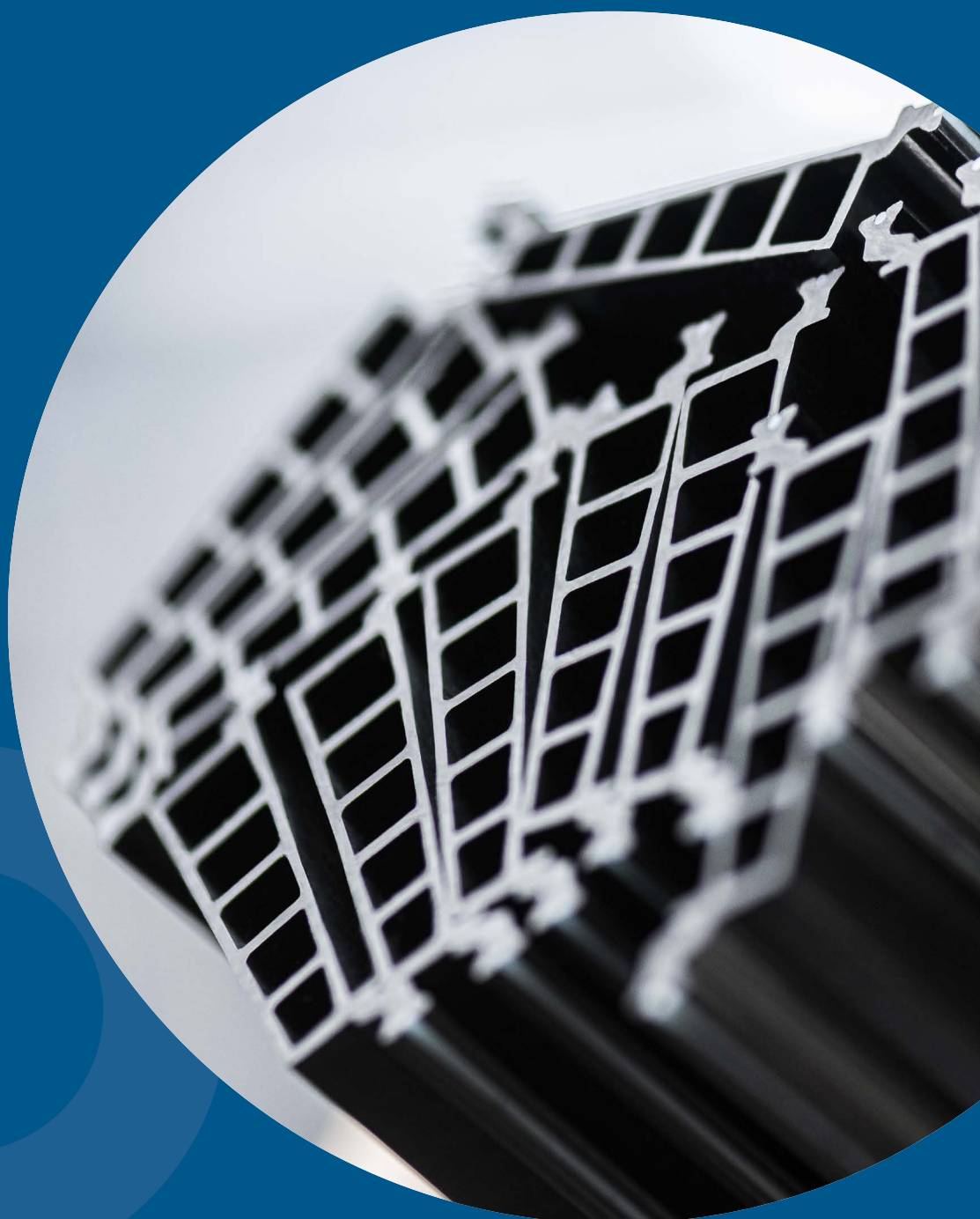


# **Standard Programme Insulating Bars for Windows, Doors and Facades**

**Edition 2-2025**



Ensinger 

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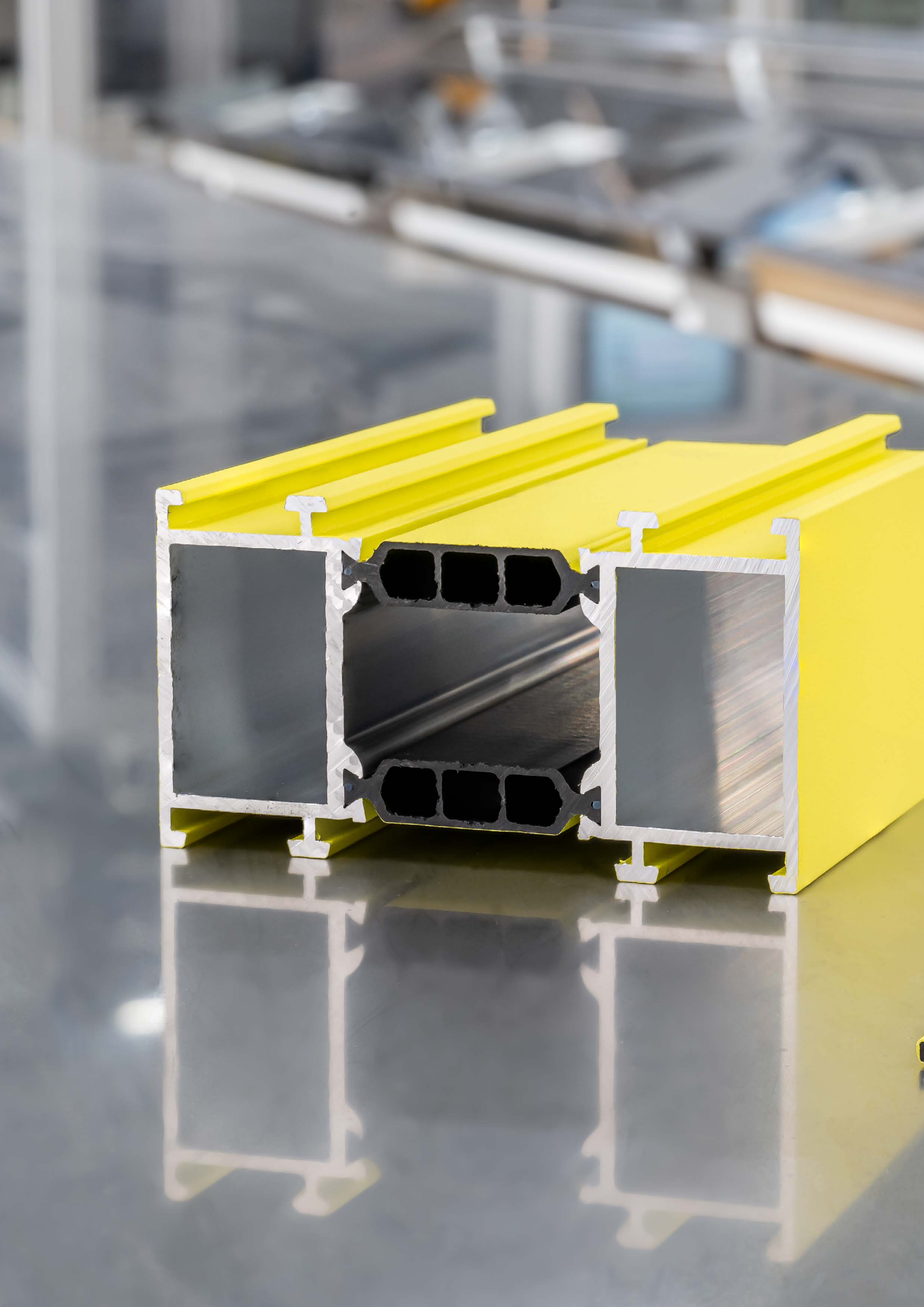
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A blurred industrial background featuring yellow and blue components, possibly parts of a machine or assembly line.

**1**

**Innovation**

# insulbar with ESPOC – The Solution for High-Quality Powder Coated Windows and Doors

**Ensinger has developed ESPOC, a solution that can be applied to insulbar profiles. ESPOC is a thin layer that is applied to both our standard profiles and customised profile designs using an innovative process. The result is an almost perfect powder coating of the profiles in our customers' systems – the ESPOC effect.**

Regardless of the moisture content of the profiles treated with ESPOC, the attraction of the powder remains at a constantly high level during the coating process. An optimum coating result can be achieved even with dry profiles and the “blistering effect” (formation of bubbles in the coating process) can be eliminated. ESPOC can be applied on various profile contours at the desired surface, including protrusions and undercuts.

## How does it work?

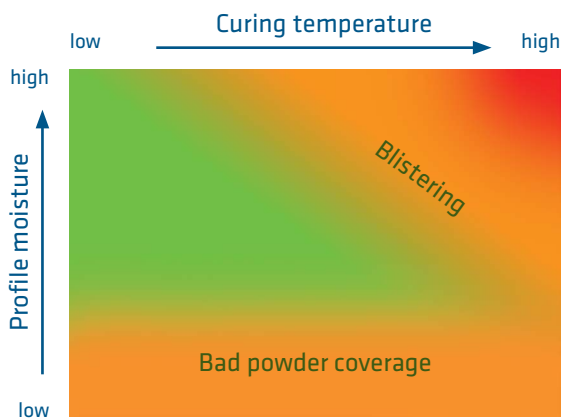
The surface is made electrically conductive using an innovative process. The electrostatically charged powder particles are attracted to the earthed surface of the insulating profile in a similar way to the attraction of conductive metals. This means that both aluminium-plastic assembled profiles and solitary PA profiles can be optimally coated, resulting in an outstanding appearance in both cases.



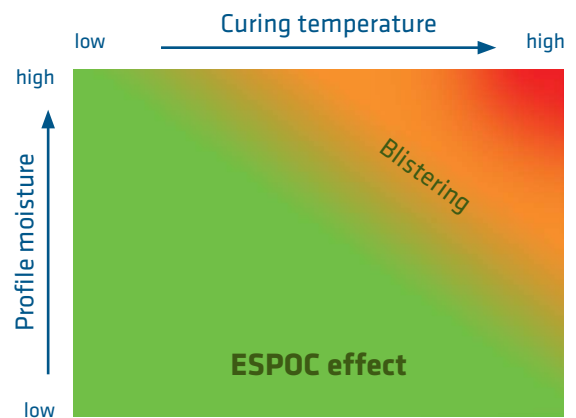
Watch the ESPOC video



### Without ESPOC coating



### With ESPOC effect



■ Poor coating results  
■ Best results

## Advantages at a glance

### Optics

- High-quality appearance in the profile system
- PPerfect coating result possible

### Flexibility

- Applicable to existing or new standard and customised profiles
- Can be applied to many insulbar materials
- Available as an option

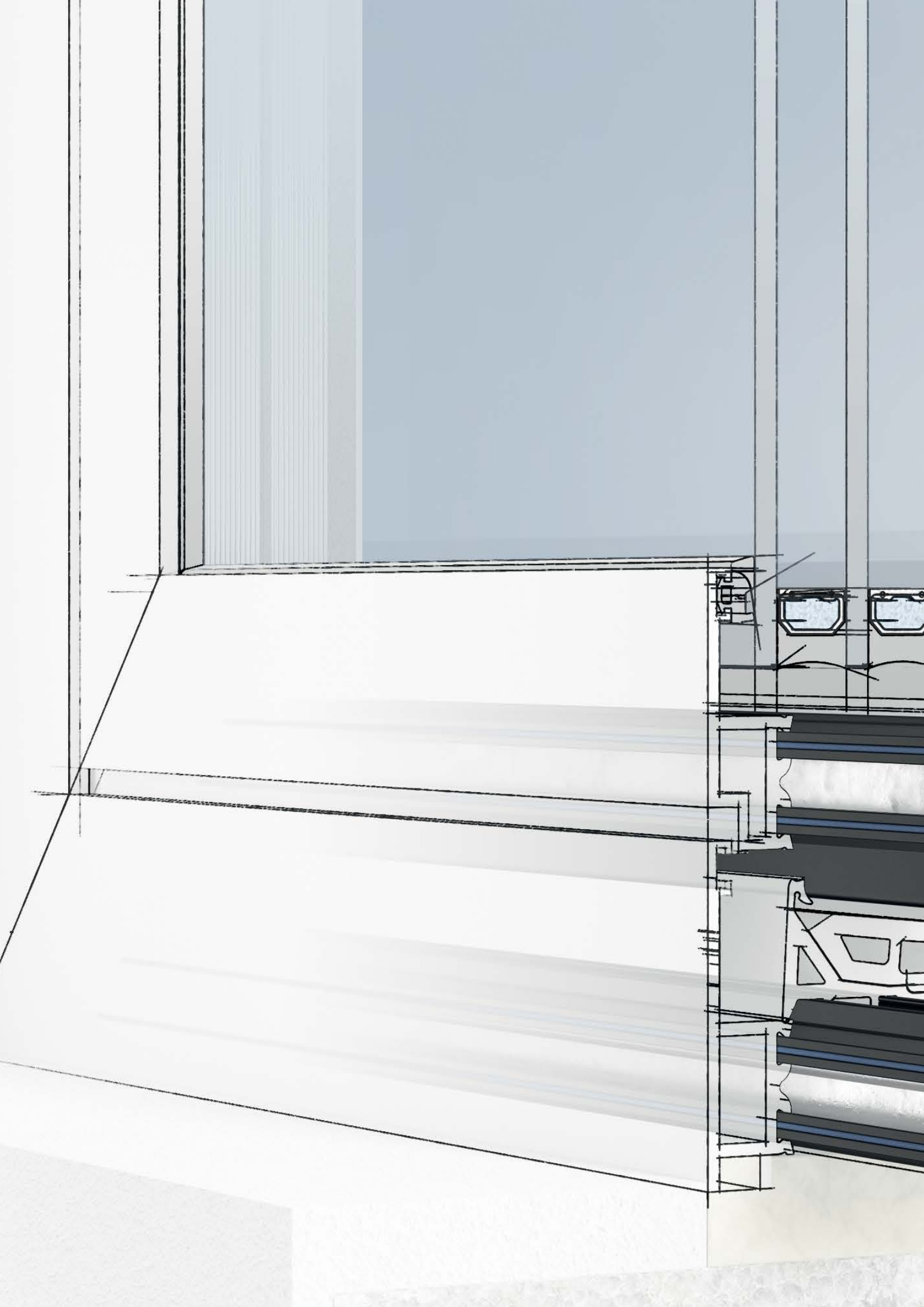
### Process improvement

- Safer and improved powder coating process
- Lower reject rate
- Improved paint adhesion
- High attraction in the powder coating process in assembled or solitary profiles

### Further advantages

- New and greater degrees of freedom in the design of visible insulating profiles
- Unchanged thermal conductivity of the base profile
- Consistent mechanical properties





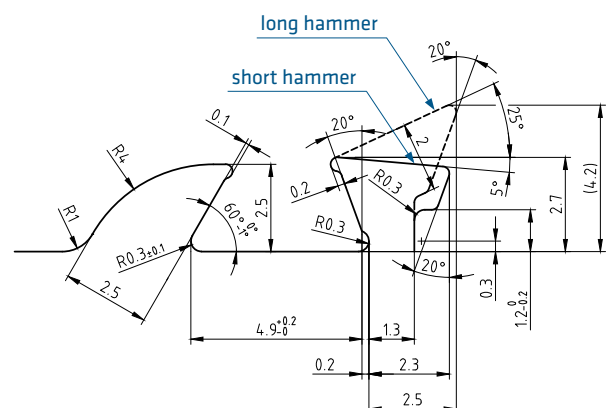


# 2

## Roll-Up Profiles

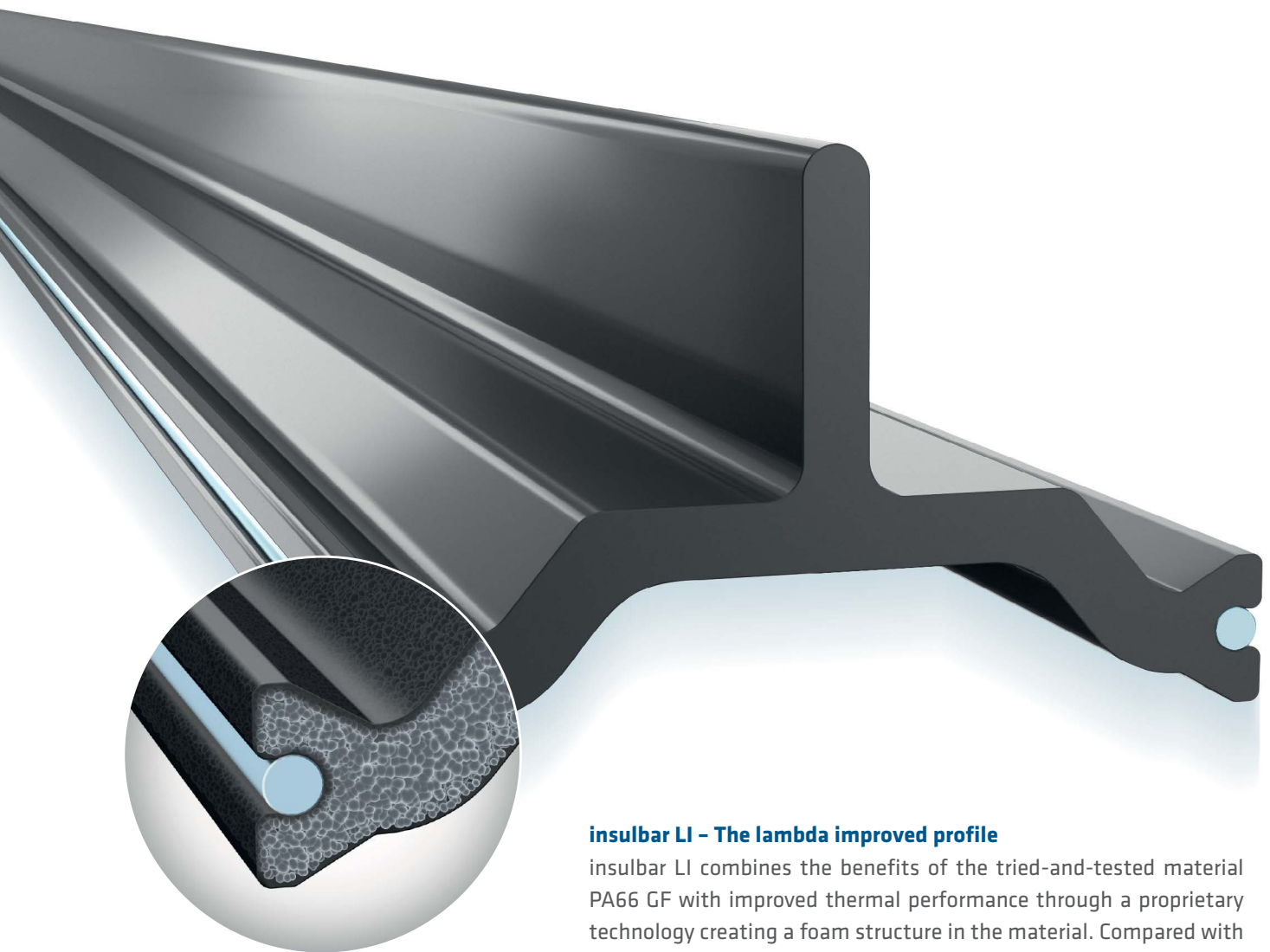
The cavity of the aluminium profile forms the connection to the insulbar thermal insulating bar. Its correct configuration ensures a high shear and transverse tensile strength, stiffness, and elasticity constant of the assembly.

For insulbar insulating profiles, Ensinger recommends two different aluminium cavities depending on the application. The preferred used variant is the cavity with the short hammer. In exceptional cases the alternative with a long hammer is used. A full overview is provided by the table starting on page 36 where the compatibility of the cavities and the insulbar insulating profiles is shown.



# Foamed Profiles

## insulbar LI & insulbar RE-LI

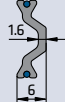
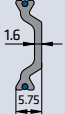
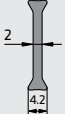
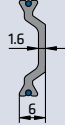
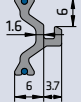
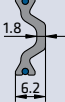
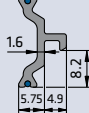
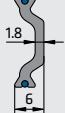
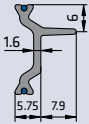
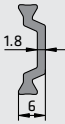
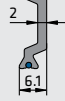
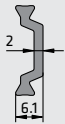
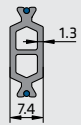


### **insulbar LI – The lambda improved profile**

insulbar LI combines the benefits of the tried-and-tested material PA66 GF with improved thermal performance through a proprietary technology creating a foam structure in the material. Compared with standard profiles made from solid polyamide, the lambda value of insulbar LI can be reduced from 0.3 W/mK to 0.21 W/mK (product optimum). This is a value which makes it possible to achieve smaller installation depths while maintaining the same  $U_f$  value, or alternatively to optimise the  $U_f$  while keeping the installation depth the same.

### **insulbar RE-LI – The perfect solution for environmental situations**

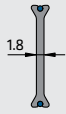
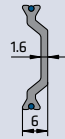
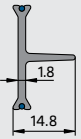
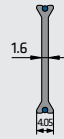
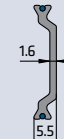
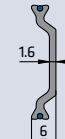
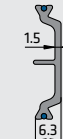
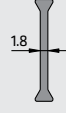
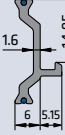
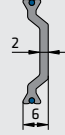
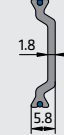
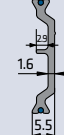
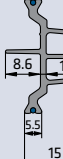
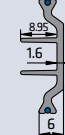
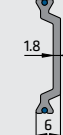
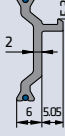
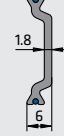
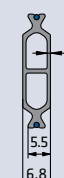
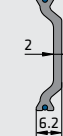
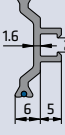
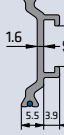
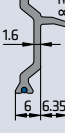
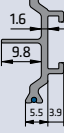
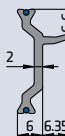
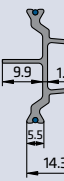
The insulating bar combines the low thermal conductivity of foamed polyamide 66 GF with the ecological advantages of recycled material.

| 12 mm                                                                                            | 16 mm                                                                                            |                                                                                                  |                                                                                                  | 17 mm                                                                                            | 18 mm                                                                                            | 20 mm                                                                                               |                                                                                                                                                                                            | 22 mm                                                                                              |
|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| <b>2192</b><br> | <b>5500</b><br> | <b>1928</b><br> | <b>2423</b><br> | <b>5539</b><br> | <b>2379</b><br> | <b>5502</b><br>  | <b>4245</b><br>                                                                                         | <b>5506</b><br> |
|                                                                                                  | <b>5501</b><br> | <b>1945</b><br> |                                                                                                  |                                                                                                  |                                                                                                  | <b>5505</b><br>  | <b>2078</b><br>                                                                                         | <b>5508</b><br> |
|                                                                                                  |                                                                                                  |                                                                                                  |                                                                                                  |                                                                                                  |                                                                                                  | <b>5504</b><br> | <b>4852</b><br>                                                                                        |                                                                                                    |
|                                                                                                  |                                                                                                  |                                                                                                  |                                                                                                  |                                                                                                  |                                                                                                  |                                                                                                     | <b>3062</b> <br> |                                                                                                    |
|                                                                                                  |                                                                                                  |                                                                                                  |                                                                                                  |                                                                                                  |                                                                                                  |                                                                                                     | <b>5503</b><br>                                                                                       |                                                                                                    |
|                                                                                                  |                                                                                                  |                                                                                                  |                                                                                                  |                                                                                                  |                                                                                                  |                                                                                                     | <b>3546</b> <br> |                                                                                                    |

Foamed profiles

| 22 mm           | 23 mm           | 24 mm           |                 |                 |                 |                 |                 |                 |
|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| <div>5540</div> | <div>5509</div> | <div>4543</div> | <div>5519</div> | <div>3257</div> | <div>3023</div> | <div>5514</div> | <div>2206</div> | <div>1393</div> |
| <div>5507</div> |                 | <div>5518</div> | <div>4388</div> | <div>3258</div> | <div>5511</div> | <div>5515</div> | <div>2279</div> | <div>3622</div> |
|                 |                 | <div>4544</div> | <div>3893</div> |                 | <div>3285</div> |                 | <div>2432</div> | <div>5513</div> |
|                 |                 | <div>5586</div> | <div>5516</div> |                 | <div>3022</div> |                 | <div>2331</div> | <div>1392</div> |
|                 |                 | <div>5517</div> |                 |                 | <div>5510</div> |                 |                 | <div>5512</div> |
|                 |                 | <div>5585</div> |                 |                 |                 |                 |                 |                 |



| 24 mm                                                                                            | 24.8 mm                                                                                                                                                                                | 26 mm                                                                                                                                                                              | 27 mm                                                                                              | 28 mm                                                                                            |                                                                                                                                                                                          |                                                                                                    |                                                                                                      |                                                                                                     |
|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| <b>2884</b><br> | <b>5520</b><br>                                                                                       | <b>4922</b> <br> | <b>4616</b><br>   | <b>5522</b><br> | <b>5528</b><br>                                                                                         | <b>5531</b><br> | <b>4618</b><br>   | <b>4056</b><br>  |
| <b>3371</b><br> | <b>4216</b><br>                                                                                       | <b>4214</b><br>                                                                                   | <b>4542</b><br>   |                                                                                                  | <b>5524</b><br>                                                                                         | <b>5526</b><br> | <b>4804</b><br>   | <b>5523</b><br>  |
|                                                                                                  | <b>4919</b> <br>    |                                                                                                                                                                                    | <b>5521</b><br>  |                                                                                                  | <b>5530</b><br>                                                                                        |                                                                                                    | <b>4296</b><br>  | <b>1669</b><br> |
|                                                                                                  | <b>4921</b> <br> |                                                                                                                                                                                    | <b>4617</b><br> |                                                                                                  | <b>5529</b> <br> |                                                                                                    | <b>4298</b><br> |                                                                                                     |
|                                                                                                  | <b>4215</b><br>                                                                                     |                                                                                                                                                                                    |                                                                                                    |                                                                                                  | <b>5527</b><br>                                                                                       |                                                                                                    |                                                                                                      |                                                                                                     |
|                                                                                                  | <b>4920</b> <br> |                                                                                                                                                                                    |                                                                                                    |                                                                                                  | <b>5525</b> <br> |                                                                                                    |                                                                                                      |                                                                                                     |

Foamed profiles

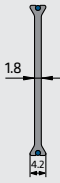
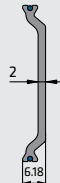
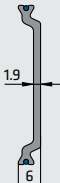
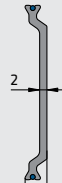
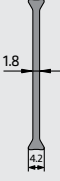
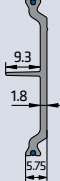
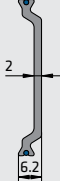
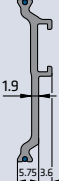
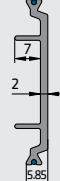
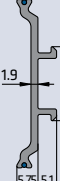
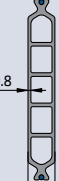
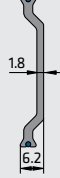
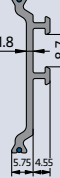
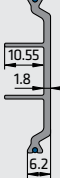
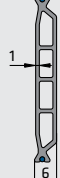
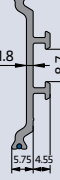
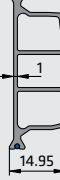
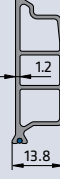
| 29 mm |      | 30 mm |      |      | 31.8 mm | 32 mm |      |      |
|-------|------|-------|------|------|---------|-------|------|------|
| 3555  | 4178 | 4370  | 2080 | 4619 | 4966    | 4467  | 4620 | 5534 |
|       |      |       |      |      |         |       |      |      |
| 5532  |      | 4367  | 4832 | 5533 |         | 4468  | 5537 | 5535 |
|       |      |       |      |      |         |       |      |      |
|       |      | 4831  |      |      |         | 4469  |      |      |
|       |      |       |      |      |         |       |      |      |

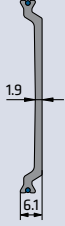
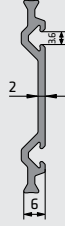
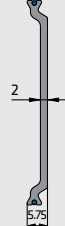
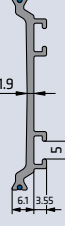
| 32 mm           | 33 mm           | 34 mm           |                 |                 |                 |                 |                 | 35 mm           |
|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| <b>3957</b><br> | <b>4474</b><br> | <b>3829</b><br> | <b>2805</b><br> | <b>3282</b><br> | <b>3124</b><br> | <b>5541</b><br> | <b>4635</b><br> | <b>5549</b><br> |
| <b>5536</b><br> |                 | <b>5543</b><br> | <b>5548</b><br> | <b>3172</b><br> | <b>4720</b><br> | <b>5542</b><br> | <b>3379</b><br> | <b>3391</b><br> |
| <b>5538</b><br> |                 | <b>2807</b><br> | <b>3623</b><br> | <b>5545</b><br> |                 | <b>4621</b><br> | <b>4568</b><br> | <b>3352</b><br> |
|                 |                 | <b>3986</b><br> | <b>5587</b><br> |                 |                 | <b>3935</b><br> | <b>5544</b><br> | <b>5550</b><br> |
|                 |                 | <b>3377</b><br> | <b>5547</b><br> |                 |                 | <b>3123</b><br> |                 | <b>3281</b><br> |
|                 |                 | <b>5546</b><br> | <b>3826</b><br> |                 |                 | <b>1861</b><br> |                 |                 |

Foamed profiles

| 36 mm           | 37 mm           | 38 mm           |                 | 39 mm           |                 |                 |                 | 40 mm           |
|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| <div>5553</div> | <div>4325</div> | <div>3824</div> | <div>4923</div> | <div>3827</div> | <div>3984</div> | <div>5564</div> | <div>5558</div> | <div>5567</div> |
| <div>5552</div> |                 | <div>5554</div> |                 | <div>4830</div> | <div>5561</div> | <div>5562</div> | <div>3398</div> | <div>5568</div> |
| <div>5551</div> |                 |                 |                 | <div>5555</div> | <div>4786</div> | <div>5566</div> | <div>5559</div> | <div>5569</div> |
|                 |                 |                 |                 | <div>3399</div> | <div>3400</div> | <div>5563</div> |                 |                 |
|                 |                 |                 |                 | <div>4701</div> | <div>5560</div> | <div>5557</div> |                 |                 |
|                 |                 |                 |                 | <div>5565</div> | <div>5556</div> | <div>4623</div> |                 |                 |



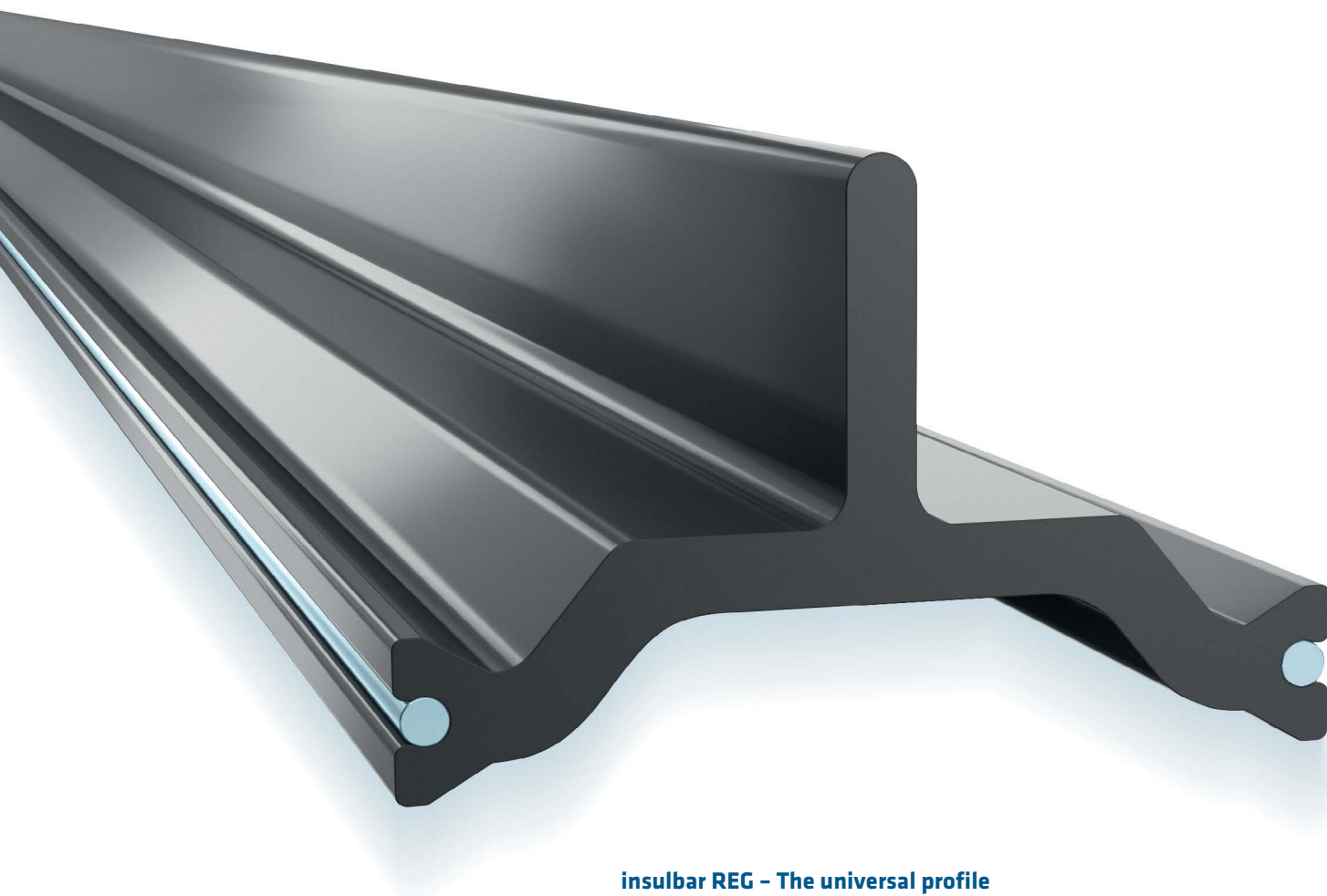
| 40 mm                                                                                             | 42 mm                                                                                              | 43 mm                                                                                                                                                                              | 44 mm                                                                                            | 45 mm                                                                                             | 46 mm                                                                                                                                                                                    | 48 mm                                                                                              | 50 mm                                                                                              |                                                                                                    |
|---------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| <b>3353</b><br>  | <b>5576</b><br>   | <b>2655</b><br>                                                                                   | <b>4458</b><br> | <b>4622</b><br>  | <b>5579</b><br>                                                                                         | <b>5580</b><br> | <b>4666</b><br> | <b>4062</b><br> |
| <b>4518</b><br>  | <b>5570</b><br>   | <b>4924</b> <br> |                                                                                                  | <b>5577</b><br>  | <b>4807</b><br>                                                                                         | <b>5581</b><br> |                                                                                                    | <b>5582</b><br> |
| <b>3354</b><br> | <b>5574</b><br>  | <b>4503</b><br>                                                                                  |                                                                                                  | <b>5578</b><br> | <b>4680</b> <br>    |                                                                                                    |                                                                                                    |                                                                                                    |
|                                                                                                   | <b>5575</b><br> | <b>5573</b><br>                                                                                 |                                                                                                  |                                                                                                   | <b>4682</b> <br> |                                                                                                    |                                                                                                    |                                                                                                    |
|                                                                                                   | <b>5571</b><br> |                                                                                                                                                                                    |                                                                                                  |                                                                                                   |                                                                                                                                                                                          |                                                                                                    |                                                                                                    |                                                                                                    |
|                                                                                                   | <b>5572</b><br> |                                                                                                                                                                                    |                                                                                                  |                                                                                                   |                                                                                                                                                                                          |                                                                                                    |                                                                                                    |                                                                                                    |

| 54 mm                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                     | 58 mm                                                                                                                                                                                                                                                                                                                                                                | 60 mm                                                                                                                                                                                                                                                                                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>5583</b><br> <p>Technical drawing of profile 5583. It is a vertical profile with a top flange. Dimensions: 1.9 (width of top flange), 6.1 (width of base), and 5.75 (width of base flange).</p>                                                | <b>4735</b> <br> <p>Technical drawing of profile 4735. It is a vertical profile with a top flange and a base flange. Dimensions: 2 (width of top flange), 5 (width of base), and 5.75 (width of base flange).</p>                                 | <b>5588</b> <br> <p>Technical drawing of profile 5588. It is a vertical profile with a top flange. Dimensions: 2 (width of top flange), 5.75 (width of base), and 5.75 (width of base flange).</p> | <b>5589</b> <br> <p>Technical drawing of profile 5589. It is a vertical profile with a top flange. Dimensions: 1.8 (width of top flange), 4.2 (width of base), and 4.2 (width of base flange).</p> |
| <b>5584</b><br> <p>Technical drawing of profile 5584. It is a vertical profile with a top flange and a base flange. Dimensions: 1.9 (width of top flange), 6.1 (width of base), 3.55 (width of base flange), and 5.75 (width of base flange).</p> | <b>4736</b> <br> <p>Technical drawing of profile 4736. It is a vertical profile with a top flange and a base flange. Dimensions: 1.2 (width of top flange), 6.1 (width of base), 9.2 (width of base flange), and 5.75 (width of base flange).</p> |                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                      |



# Classic Profiles

## insulbar REG & insulbar RE



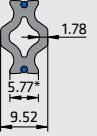
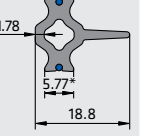
### **insulbar REG – The universal profile**

Our classic roll-up profiles enable the thermal break of all commonly used metal systems. Depending on the window type and area of application, all requirements for insulation are optimally fulfilled.

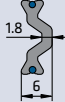
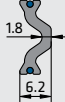
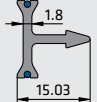
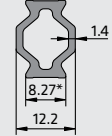
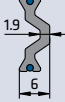
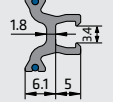
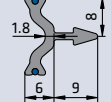
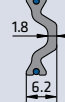
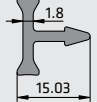
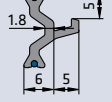
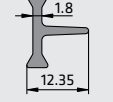
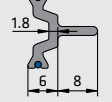
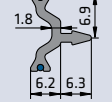
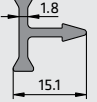
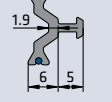
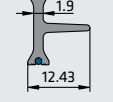
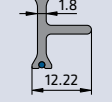
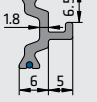
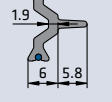
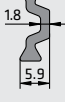
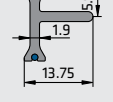
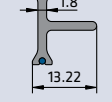
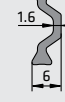
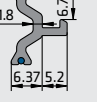
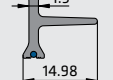
### **insulbar RE – The sustainable insulating bar**

The recycled profile is made from 100% recycled polyamide, unmixed and eco-declared. Thanks to the special upcycling process, it has the same excellent mechanical properties as classic insulbar insulating bars.

On request, our insulating bars are also available in other materials with higher rigidity or better coatability.

| 10 mm                                                                                            | 12 mm                                                                                            |                                                                                                         | 13.4 mm                                                                                          | 13.5 mm                                                                                          | 14 mm                                                                                              | 14.6 mm                                                                                              |                                                                                                           |                                                                                                    |
|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| <b>3632</b><br> | <b>3560</b><br> | <b>2192</b><br>        | <b>2014</b><br> | <b>2156</b><br> | <b>1044</b><br>   | <b>2952</b><br>   | <b>2028 2028</b><br>   | <b>1953</b><br> |
| <b>2530</b><br> | <b>4698</b><br> | <b>2310</b><br>        |                                                                                                  |                                                                                                  | <b>4386</b><br>   | <b>1910</b><br>   | <b>2045</b><br>        | <b>3378</b><br> |
|                                                                                                  |                                                                                                  | <b>1142</b><br>        |                                                                                                  |                                                                                                  | <b>3557</b><br>   | <b>2046</b><br>   | <b>1674</b><br>        |                                                                                                    |
|                                                                                                  |                                                                                                  | <b>2164 2164</b><br> |                                                                                                  |                                                                                                  | <b>2104</b><br> | <b>0818</b><br> | <b>1884</b><br>      |                                                                                                    |
|                                                                                                  |                                                                                                  | <b>2531 2531</b><br> |                                                                                                  |                                                                                                  | <b>3725</b><br> | <b>1173</b><br> | <b>4060</b><br>      |                                                                                                    |
|                                                                                                  |                                                                                                  |                                                                                                         |                                                                                                  |                                                                                                  |                                                                                                    | <b>2877</b><br> | <b>4059 4059</b><br> |                                                                                                    |

## Classic profiles

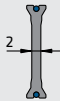
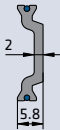
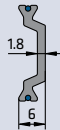
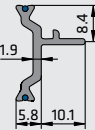
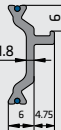
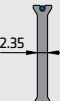
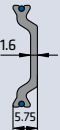
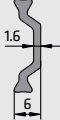
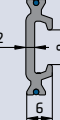
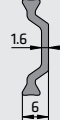
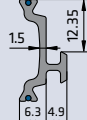
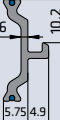
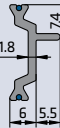
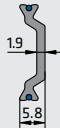
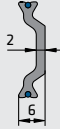
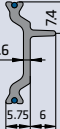
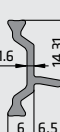
| 14.8 mm                                                                                            |                                                                                                       |                                                                                                    | 15 mm                                                                                                 | 16 mm                                                                                            |                                                                                                     |                                                                                                           |                                                                                                      |                                                                                                    |
|----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| <b>2440</b><br>   | <b>2102</b><br>      | <b>1946</b><br>   | <b>1754</b><br>      | <b>2423</b><br> | <b>1928</b><br>    | <b>1864</b><br>        | <b>1866</b><br>   | <b>4061</b><br> |
| <b>2237</b><br>   | <b>3138</b><br>      | <b>2134</b><br>   | <b>2196 2196</b><br> | <b>4102</b><br> | <b>1945</b><br>    | <b>2634</b><br>        | <b>2635</b><br>   |                                                                                                    |
| <b>3286</b><br>  | <b>2186 2186</b><br> | <b>3368</b><br>  | <b>3985</b><br>     |                                                                                                  | <b>1947</b><br>  | <b>2103</b><br>        | <b>2335</b><br>  |                                                                                                    |
| <b>3745</b><br> | <b>0508</b><br>    | <b>0785</b><br> |                                                                                                       |                                                                                                  | <b>1927</b><br> | <b>2334</b><br>      | <b>2189</b><br> |                                                                                                    |
| <b>2167</b><br> | <b>3633</b><br>    | <b>1135</b><br> |                                                                                                       |                                                                                                  | <b>1989</b><br> | <b>3714 3714</b><br> | <b>2375</b><br> |                                                                                                    |
|                                                                                                    | <b>3388</b><br>    | <b>1090</b><br> |                                                                                                       |                                                                                                  |                                                                                                     | <b>1532</b><br>      | <b>2376</b><br> |                                                                                                    |



| 16.5 mm     | 16.6 mm     | 17 mm       |             | 18 mm       |                  |             |             |             |
|-------------|-------------|-------------|-------------|-------------|------------------|-------------|-------------|-------------|
| <b>2195</b> | <b>2147</b> | <b>2250</b> | <b>1918</b> | <b>3375</b> | <b>1987 1987</b> | <b>2111</b> | <b>2951</b> | <b>2594</b> |
|             |             |             |             |             |                  |             |             |             |
|             |             | <b>2262</b> | <b>1919</b> | <b>3374</b> | <b>2154</b>      | <b>3715</b> | <b>2899</b> | <b>4683</b> |
|             |             |             |             |             |                  |             |             |             |
|             |             | <b>2263</b> | <b>3909</b> | <b>3373</b> | <b>1988</b>      | <b>2797</b> | <b>3621</b> |             |
|             |             |             |             |             |                  |             |             |             |
|             |             |             |             |             | <b>2098</b>      | <b>2379</b> | <b>2063</b> |             |
|             |             |             |             |             |                  |             |             |             |
|             |             |             |             |             |                  | <b>2593</b> | <b>3122</b> |             |
|             |             |             |             |             |                  |             |             |             |
|             |             |             |             |             |                  | <b>2444</b> | <b>4777</b> |             |
|             |             |             |             |             |                  |             |             |             |

## Classic profiles

| 18.6 mm         |                 |                 | 20 mm           |                      |                 |                 |                 | 21 mm           |
|-----------------|-----------------|-----------------|-----------------|----------------------|-----------------|-----------------|-----------------|-----------------|
| <b>1926</b><br> | <b>2520</b><br> | <b>1418</b><br> | <b>3062</b><br> | <b>2521</b><br>      | <b>4852</b><br> | <b>3697</b><br> | <b>2365</b><br> | <b>2907</b><br> |
| <b>1991</b><br> | <b>2126</b><br> | <b>0346</b><br> | <b>3199</b><br> | <b>3698</b><br>      | <b>2479</b><br> | <b>2031</b><br> |                 | <b>2909</b><br> |
| <b>3369</b><br> | <b>3784</b><br> | <b>2703</b><br> | <b>3454</b><br> | <b>3591</b><br>      | <b>1673</b><br> | <b>4351</b><br> |                 | <b>2908</b><br> |
| <b>0838</b><br> | <b>2305</b><br> |                 |                 | <b>1220</b><br>      | <b>2742</b><br> | <b>3255</b><br> |                 |                 |
| <b>1174</b><br> | <b>3370</b><br> |                 |                 | <b>2605</b><br>      | <b>3546</b><br> | <b>2016</b><br> |                 |                 |
| <b>3389</b><br> | <b>2793</b><br> |                 |                 | <b>2078 2078</b><br> | <b>4199</b><br> | <b>2495</b><br> |                 |                 |

| 21 mm                                                                                                 | 21.9 mm                                                                                           | 22 mm                                                                                             |                                                                                                    |                                                                                                  | 23 mm                                                                                            | 23.9 mm                                                                                            | 24 mm                                                                                              |                                                                                                      |
|-------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| <b>1136</b><br>      | <b>0748</b><br>  | <b>2202</b><br>  | <b>2049</b><br>   | <b>2380</b><br> | <b>3341</b><br> | <b>0292</b><br> | <b>3425</b><br> | <b>4543</b><br>   |
| <b>3804 3804</b><br> | <b>0749</b><br>  | <b>2204</b><br>  | <b>3716</b><br>   |                                                                                                  |                                                                                                  |                                                                                                    | <b>3387</b><br> | <b>4544</b><br>   |
|                                                                                                       | <b>0750</b><br> | <b>2203</b><br> | <b>4263</b><br>  |                                                                                                  |                                                                                                  |                                                                                                    |                                                                                                    | <b>3893</b><br>  |
|                                                                                                       |                                                                                                   |                                                                                                   | <b>2285</b><br> |                                                                                                  |                                                                                                  |                                                                                                    |                                                                                                    | <b>4388</b><br> |
|                                                                                                       |                                                                                                   |                                                                                                   | <b>2062</b><br> |                                                                                                  |                                                                                                  |                                                                                                    |                                                                                                    |                                                                                                      |
|                                                                                                       |                                                                                                   |                                                                                                   | <b>3918</b><br> |                                                                                                  |                                                                                                  |                                                                                                    |                                                                                                    |                                                                                                      |

## Classic profiles

### 24 mm

|                 |                      |                 |                 |                 |                      |                 |                 |                 |
|-----------------|----------------------|-----------------|-----------------|-----------------|----------------------|-----------------|-----------------|-----------------|
| <b>3023</b><br> | <b>2206 2206</b><br> | <b>1922</b><br> | <b>1393</b><br> | <b>2884</b><br> | <b>1707</b><br>      | <b>3390</b><br> | <b>3149</b><br> | <b>2200</b><br> |
| <b>4063</b><br> | <b>2279</b><br>      | <b>1921</b><br> | <b>3020</b><br> | <b>3371</b><br> | <b>3380</b><br>      | <b>3448</b><br> | <b>3148</b><br> | <b>2396</b><br> |
| <b>4101</b><br> | <b>2432</b><br>      | <b>2268</b><br> | <b>3622</b><br> | <b>0839</b><br> | <b>3257</b><br>      | <b>2794</b><br> | <b>1498</b><br> | <b>2165</b><br> |
| <b>3024</b><br> | <b>2331</b><br>      | <b>1920</b><br> | <b>3283</b><br> | <b>1175</b><br> | <b>2730</b><br>      | <b>2199</b><br> | <b>2214</b><br> | <b>2426</b><br> |
| <b>3285</b><br> |                      | <b>2267</b><br> | <b>3021</b><br> | <b>2633</b><br> | <b>2780 2780</b><br> | <b>1619</b><br> | <b>2632</b><br> | <b>2191</b><br> |
| <b>3022</b><br> |                      |                 | <b>1392</b><br> | <b>3284</b><br> | <b>2424</b><br>      | <b>3386</b><br> | <b>4557</b><br> | <b>3258</b><br> |

| 24 mm       |             | 24.8 mm     |             | 25 mm       |                  | 25.3 mm     | 26 mm            |             |
|-------------|-------------|-------------|-------------|-------------|------------------|-------------|------------------|-------------|
| <b>2425</b> | <b>2774</b> | <b>4215</b> | <b>4214</b> | <b>2050</b> | <b>1058</b>      | <b>4271</b> | <b>2006</b>      | <b>3433</b> |
|             |             |             |             |             |                  |             |                  |             |
| <b>2902</b> | <b>2395</b> | <b>4216</b> |             | <b>2155</b> | <b>2106</b>      | <b>4317</b> | <b>1186</b>      |             |
|             |             |             |             |             |                  |             |                  |             |
| <b>3372</b> | <b>2316</b> |             |             | <b>2051</b> | <b>2817 2817</b> | <b>4272</b> | <b>2535 2535</b> |             |
|             |             |             |             |             |                  |             |                  |             |
| <b>1750</b> | <b>2366</b> |             |             |             | <b>2311</b>      |             | <b>4494</b>      |             |
|             |             |             |             |             |                  |             |                  |             |
| <b>4283</b> |             |             |             |             | <b>4330</b>      |             | <b>1993</b>      |             |
|             |             |             |             |             |                  |             |                  |             |
| <b>2729</b> |             |             |             |             |                  |             |                  |             |
|             |             |             |             |             |                  |             |                  |             |

## Classic profiles

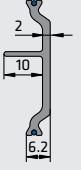
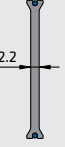
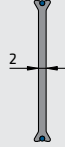
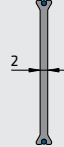
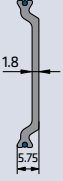
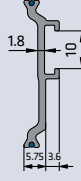
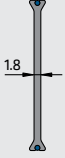
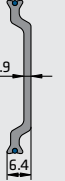
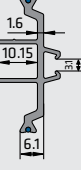
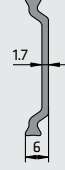
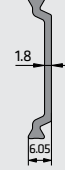
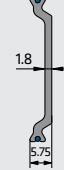
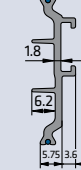
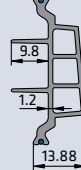
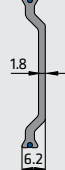
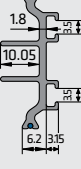
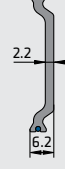
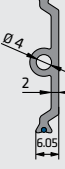
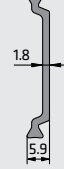
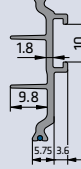
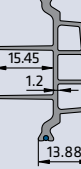
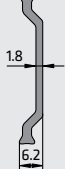
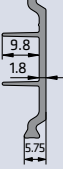
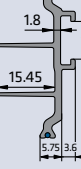
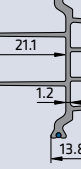
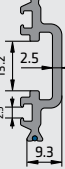
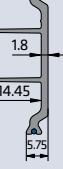
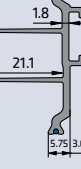
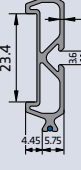
| 27 mm           |                 | 28 mm           |                 |                 |                 |                 | 29 mm           | 30 mm                       |
|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------------------|
| <b>3078</b><br> | <b>2883</b><br> | <b>3920</b><br> | <b>2795</b><br> | <b>2007</b><br> | <b>2614</b><br> | <b>3700</b><br> | <b>3555</b><br> | <b>2080</b> <b>2080</b><br> |
| <b>3080</b><br> |                 | <b>3798</b><br> | <b>4200</b><br> | <b>2198</b><br> | <b>2501</b><br> |                 | <b>3761</b><br> | <b>4832</b><br>             |
| <b>3079</b><br> |                 | <b>3842</b><br> | <b>3109</b><br> | <b>1669</b><br> | <b>2515</b><br> |                 |                 | <b>4831</b><br>             |
|                 |                 | <b>3843</b><br> | <b>3110</b><br> | <b>3724</b><br> | <b>3413</b><br> |                 |                 |                             |
|                 |                 |                 |                 | <b>3896</b><br> | <b>3145</b><br> |                 |                 |                             |
|                 |                 |                 |                 | <b>2796</b><br> | <b>3244</b><br> |                 |                 |                             |

| 30 mm            |             | 31.8 mm     | 31.9 mm     |             | 32 mm       |             |             | 34 mm            |
|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------------|
| <b>3432</b>      | <b>3419</b> | <b>3212</b> | <b>0724</b> | <b>2522</b> | <b>2638</b> | <b>3057</b> | <b>3444</b> | <b>3829</b>      |
|                  |             |             |             |             |             |             |             |                  |
| <b>1729</b>      | <b>2383</b> | <b>3760</b> | <b>3723</b> | <b>0774</b> | <b>3701</b> | <b>2728</b> | <b>2727</b> | <b>2807 2807</b> |
|                  |             |             |             |             |             |             |             |                  |
| <b>3790</b>      |             |             | <b>0725</b> | <b>2523</b> | <b>2246</b> | <b>3025</b> | <b>2764</b> | <b>3316</b>      |
|                  |             |             |             |             |             |             |             |                  |
| <b>4262</b>      |             |             | <b>0726</b> | <b>1651</b> | <b>2923</b> | <b>2361</b> |             | <b>3986</b>      |
|                  |             |             |             |             |             |             |             |                  |
| <b>2740 2740</b> |             |             | <b>0758</b> | <b>0773</b> | <b>2631</b> | <b>2649</b> |             | <b>3746</b>      |
|                  |             |             |             |             |             |             |             |                  |
| <b>3606</b>      |             |             |             |             | <b>3889</b> | <b>2911</b> |             | <b>4327</b>      |
|                  |             |             |             |             |             |             |             |                  |



## Classic profiles

| 34 mm           |                      |                 |                 |                      |                 |                 | 35 mm           |                 |
|-----------------|----------------------|-----------------|-----------------|----------------------|-----------------|-----------------|-----------------|-----------------|
| <b>3377</b><br> | <b>3826</b><br>      | <b>2765</b><br> | <b>3123</b><br> | <b>1885 1885</b><br> | <b>3655</b><br> | <b>4275</b><br> | <b>3391</b><br> | <b>3281</b><br> |
| <b>2805</b><br> | <b>3282</b><br>      | <b>2857</b><br> | <b>3124</b><br> | <b>3935</b><br>      | <b>3379</b><br> |                 | <b>3351</b><br> | <b>4396</b><br> |
| <b>3315</b><br> | <b>3172 3172</b><br> | <b>2856</b><br> | <b>3125</b><br> | <b>3012</b><br>      | <b>4402</b><br> |                 | <b>3352</b><br> | <b>3279</b><br> |
| <b>3825</b><br> |                      | <b>2855</b><br> |                 | <b>1861</b><br>      | <b>4635</b><br> |                 | <b>3392</b><br> | <b>2427</b><br> |
| <b>3623</b><br> |                      |                 |                 | <b>3848</b><br>      | <b>4347</b><br> |                 | <b>3936</b><br> | <b>3229</b><br> |
| <b>3620</b><br> |                      |                 |                 | <b>3660</b><br>      | <b>1650</b><br> |                 | <b>3350</b><br> | <b>3010</b><br> |

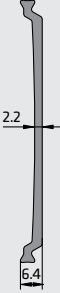
| 35 mm                                                                              | 36 mm                                                                              | 37 mm                                                                                  | 38 mm                                                                               | 39 mm                                                                               |                                                                                     |                                                                                       | 40 mm                                                                                 | 41 mm                                                                                    |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| 1986 1986                                                                          | 1814                                                                               | 4740  | 4277                                                                                | 3827                                                                                | 3984                                                                                | 2429                                                                                  | 3353                                                                                  | 4739  |
|   |   |       |    |    |    |    |    |       |
| 3280                                                                               | 3813                                                                               | 4365                                                                                   | 3824                                                                                | 4192                                                                                | 4786                                                                                | 3398                                                                                  | 3354                                                                                  | 2636                                                                                     |
|   |   |       |    |    |    |    |    |       |
| 3146                                                                               | 1958                                                                               | 4737  | 4075                                                                                | 3399                                                                                | 3400                                                                                | 3640                                                                                  | 3812                                                                                  |                                                                                          |
|  |  |      |   |   |   |   |   |                                                                                          |
|                                                                                    |                                                                                    |                                                                                        | 4276                                                                                | 3864                                                                                | 3636                                                                                | 3639                                                                                  | 3307                                                                                  |                                                                                          |
|                                                                                    |                                                                                    |                                                                                        |  |  |  |  |  |                                                                                          |
|                                                                                    |                                                                                    |                                                                                        |                                                                                     | 4701                                                                                | 3638                                                                                |                                                                                       |                                                                                       |                                                                                          |
|                                                                                    |                                                                                    |                                                                                        |                                                                                     |  |  |                                                                                       |                                                                                       |                                                                                          |
|                                                                                    |                                                                                    |                                                                                        |                                                                                     | 3637                                                                                | 3828                                                                                |                                                                                       |                                                                                       |                                                                                          |
|                                                                                    |                                                                                    |                                                                                        |                                                                                     |  |  |                                                                                       |                                                                                       |                                                                                          |

## Classic profiles

| 42 mm       |             | 44 mm       | 45 mm       | 46 mm       | 49 mm       | 50 mm       | 52 mm       | 54 mm       |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>3272</b> | <b>2655</b> | <b>2647</b> | <b>4680</b> | <b>3641</b> | <b>2969</b> | <b>3311</b> | <b>4461</b> | <b>3339</b> |
|             |             |             |             |             |             |             |             |             |
| <b>3273</b> | <b>4202</b> | <b>2275</b> | <b>4682</b> |             | <b>3068</b> | <b>4062</b> |             | <b>3338</b> |
|             |             |             |             |             |             |             |             |             |
| <b>4022</b> | <b>2656</b> | <b>4348</b> |             |             |             | <b>3310</b> |             | <b>3277</b> |
|             |             |             |             |             |             |             |             |             |
| <b>3274</b> |             | <b>4349</b> |             |             |             |             |             | <b>3278</b> |
|             |             |             |             |             |             |             |             |             |

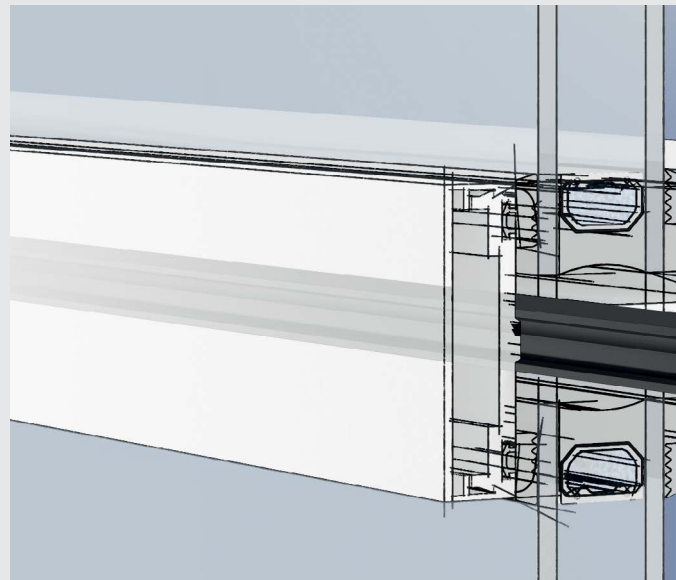
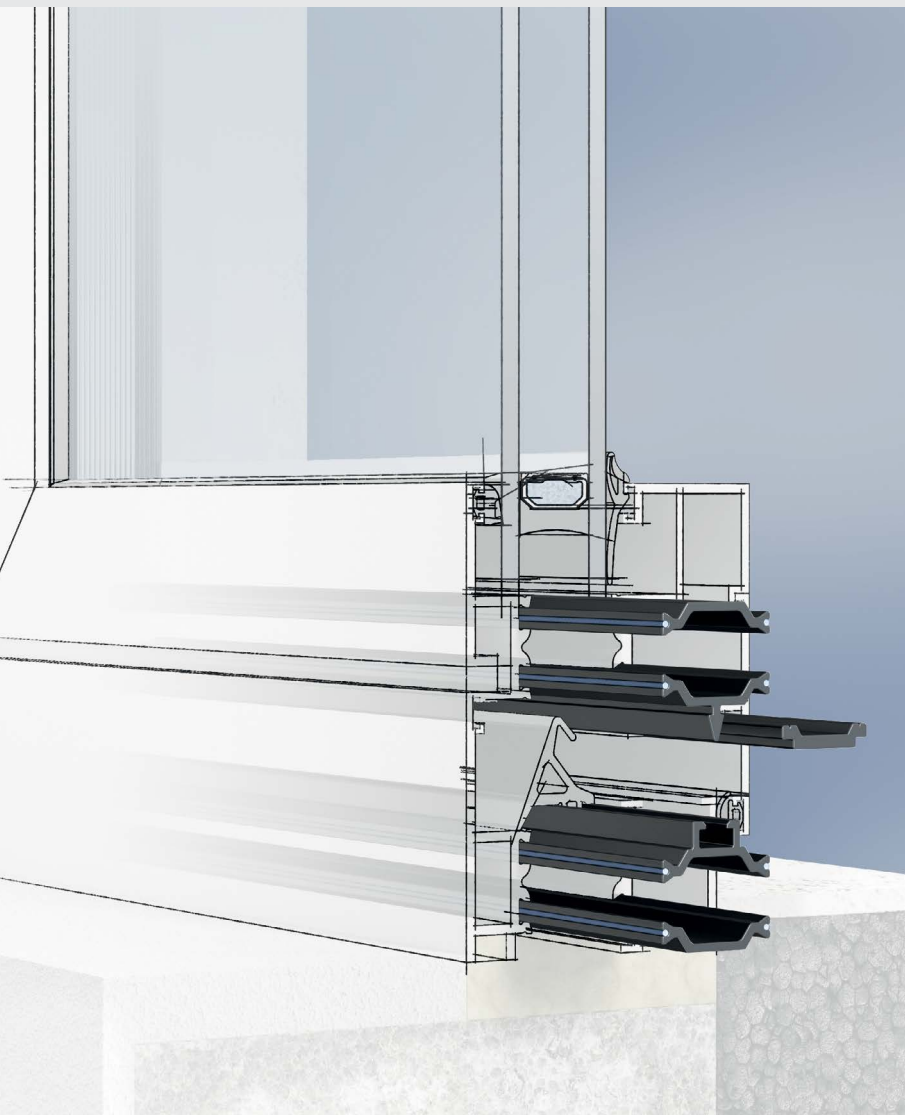
77 mm

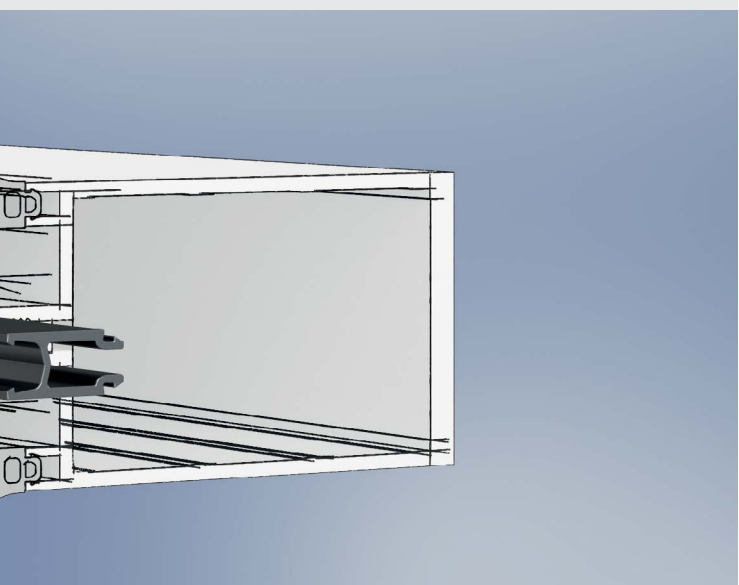
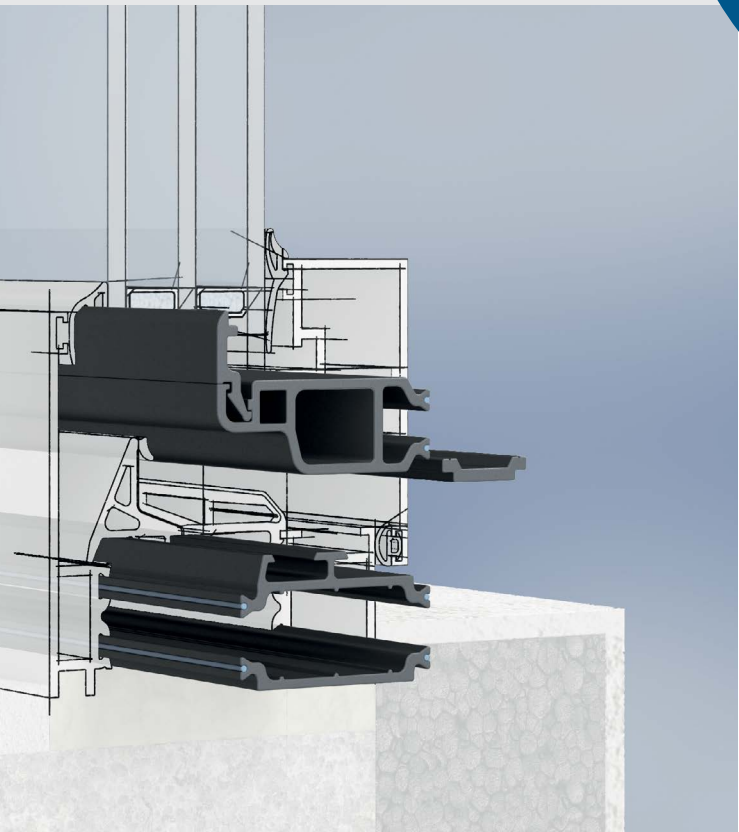
4813



2.2

6.4





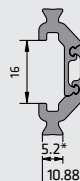
# 3

## Special Profiles

Our special profiles offer a wide range of solutions for doors, windows, sliding systems and facades. They impress with optimal thermal separation, profile properties adapted to the application, efficient processing and the highest precision.

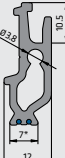
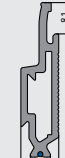
On request, the special profiles are also available in other materials with higher stiffness or better coatability, depending on the application and geometry.

## Shear-free profiles

| 18 mm                                                                             | 20 mm                                                                             | 22 mm                                                                             | 24 mm                                                                             | 26 mm                                                                             | 28 mm                                                                             | 30 mm                                                                               | 32 mm                                                                               |                                                                                     |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 3989                                                                              | 3963 3963                                                                         | 3995                                                                              | 3998                                                                              | 4004                                                                              | 4007                                                                              | 3884                                                                                | 4010                                                                                | 4788                                                                                |
|  |  |  |  |  |  |  |  |  |
| 34 mm                                                                             | 36 mm                                                                             | 42 mm                                                                             | 44 mm                                                                             | 46 mm                                                                             |                                                                                   |                                                                                     |                                                                                     |                                                                                     |
| 4013                                                                              | 4362                                                                              | 4019                                                                              | 4789                                                                              | 4607                                                                              |                                                                                   |                                                                                     |                                                                                     |                                                                                     |
|  |  |  |  |  |                                                                                   |                                                                                     |                                                                                     |                                                                                     |

Also, additional shear-free bars are available to you for trials from our RPT technology, in the insulation depths 25 and 40 mm.

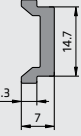
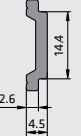
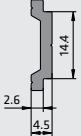
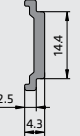
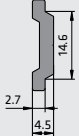
## Profiles for hidden sash

| 31.5 mm                                                                             | 36.5 mm                                                                             | 40 mm                                                                               | 43.5 mm                                                                             | 47.05 mm                                                                            |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 2455                                                                                | 4430                                                                                | 4558                                                                                | 3966                                                                                | 3319                                                                                |
|  |  |  |  |  |

## Glazing bead

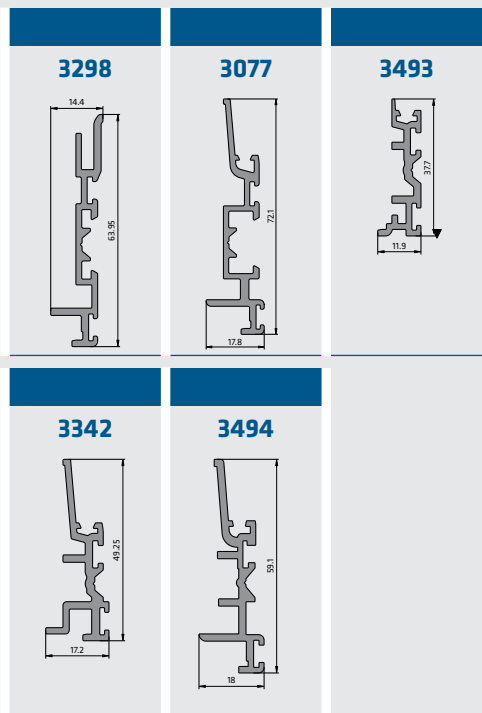
| 13.3 mm                                                                               |
|---------------------------------------------------------------------------------------|
| 3320                                                                                  |
|  |

## Bolt operating profiles

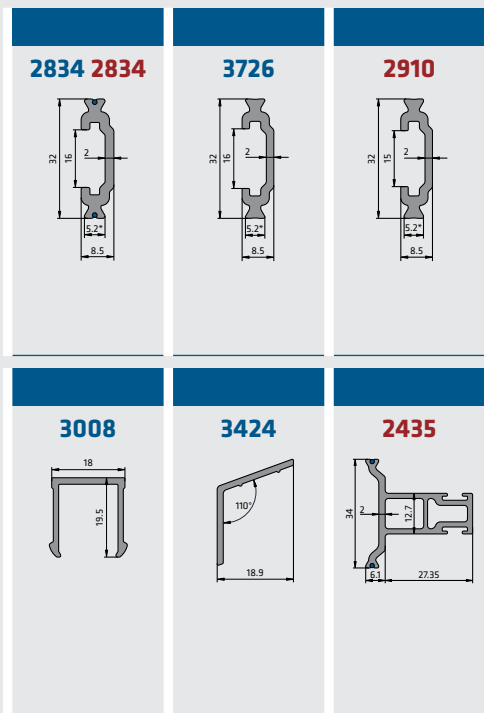
| 17.7 mm                                                                             | 19.5 mm                                                                             |                                                                                     |                                                                                     | 19.7 mm                                                                             |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 3778                                                                                | 3266                                                                                | 3582                                                                                | 3668                                                                                | 1840                                                                                |
|  |  |  |  |  |

## Sliding systems

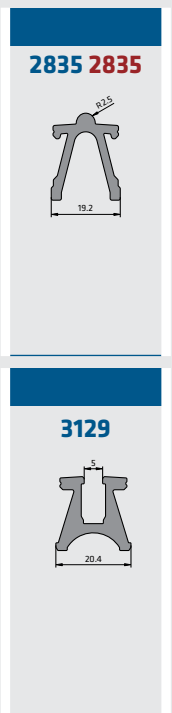
### Chicanes



### Supplementary profiles

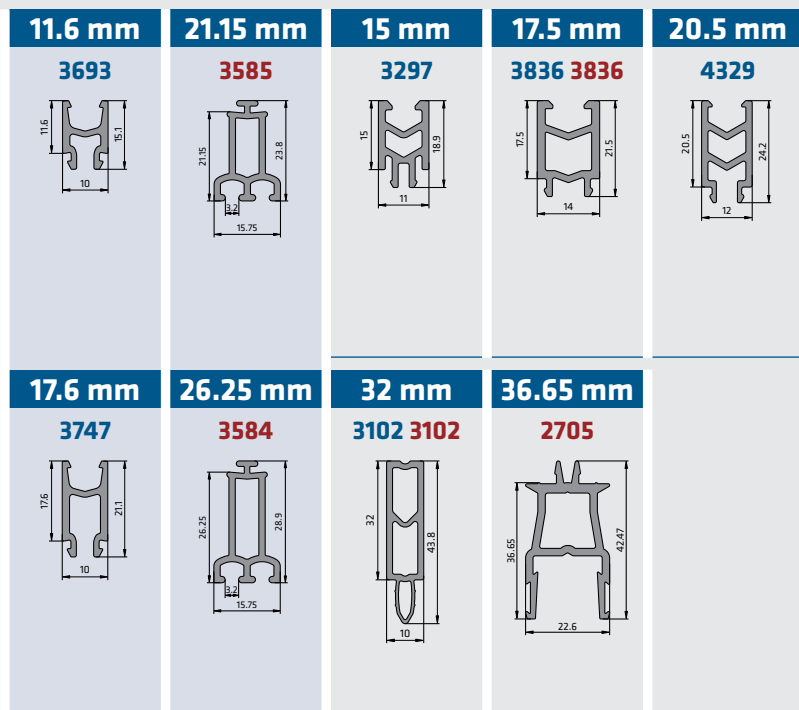


### Runner rails



## Profiles for facades

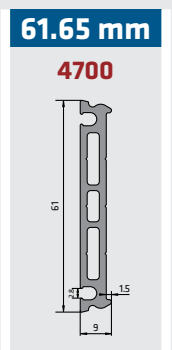
### Spacers



### Glass edge profiles

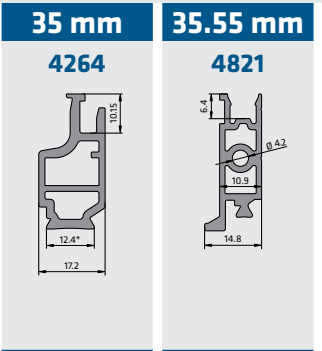


### Pressure plate

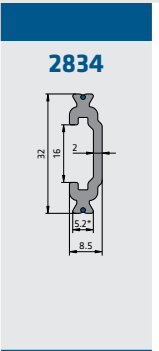




Profiles for hidden sash



Sliding systems  
Supplementary profiles





# Article Overview

| Article number | Insulating depth (mm) | Description of the geometry | Pieces per stillage * | Foot compatible with aluminium cavity suggestion short hammer | Foot compatible with aluminium cavity suggestion long hammer | Coils ** |
|----------------|-----------------------|-----------------------------|-----------------------|---------------------------------------------------------------|--------------------------------------------------------------|----------|
| 0292           | 23.9                  | straight                    | 2400                  | ■                                                             | ■                                                            | 🌀        |
| 0346           | 18.6                  | straight with nose          | 2300                  | ■                                                             |                                                              |          |
| 0508           | 14.8                  | straight                    | 4800                  | ■                                                             | ■                                                            | 🌀        |
| 0724           | 31.9                  | offset                      | 1600                  | ■                                                             |                                                              |          |
| 0725           | 31.9                  | offset with groove          | 1500                  | ■                                                             |                                                              |          |
| 0726           | 31.9                  | offset with nose            | 1000                  | ■                                                             |                                                              |          |
| 0748           | 21.9                  | offset                      | 2500                  | ■                                                             |                                                              | 🌀        |
| 0749           | 21.9                  | straight with groove        | 2400                  | ■                                                             |                                                              |          |
| 0750           | 21.9                  | offset with nose            | 1300                  | ■                                                             |                                                              |          |
| 0758           | 31.9                  | offset with nose            | 1100                  | ■                                                             |                                                              |          |
| 0773           | 31.9                  | straight with nose          | 1000                  | ■                                                             | ■                                                            |          |
| 0774           | 31.9                  | straight                    | 2000                  | ■                                                             | ■                                                            | 🌀        |
| 0785           | 14.8                  | straight with nose          | 3000                  | ■                                                             | ■                                                            |          |
| 0818           | 14.6                  | straight                    | 4500                  | ■                                                             | ■                                                            | 🌀        |
| 0838           | 18.6                  | straight                    | 3000                  | ■                                                             | ■                                                            | 🌀        |
| 0839           | 24                    | straight                    | 3100                  | ■                                                             | ■                                                            | 🌀        |
| 1044           | 14                    | straight                    | 4800                  | ■                                                             | ■                                                            | 🌀        |
| 1058           | 25                    | straight                    | 2400                  | ■                                                             | ■                                                            | 🌀        |
| 1090           | 14.8                  | straight with nose          | 3000                  | ■                                                             | ■                                                            |          |
| 1135           | 14.8                  | straight with nose          | 3000                  | ■                                                             | ■                                                            |          |
| 1136           | 21                    | straight                    | 2700                  | ■                                                             | ■                                                            | 🌀        |
| 1142           | 12                    | straight                    | 5200                  | ■                                                             | ■                                                            | 🌀        |
| 1173           | 14.6                  | straight                    | 4800                  | ■                                                             | ■                                                            | 🌀        |
| 1174           | 18.6                  | straight                    | 3000                  | ■                                                             | ■                                                            | 🌀        |
| 1175           | 24                    | straight                    | 3600                  | ■                                                             | ■                                                            | 🌀        |
| 1186           | 26                    | straight                    | 2200                  |                                                               |                                                              | 🌀        |
| 1220           | 20                    | straight                    | 2900                  | ■                                                             | ■                                                            | 🌀        |
| 1392           | 24                    | offset with nose            | 1150                  | ■                                                             |                                                              |          |
| 1393           | 24                    | offset                      | 2300                  | ■                                                             |                                                              | 🌀        |
| 1418           | 18.6                  | straight with nose          | 1700                  | ■                                                             | ■                                                            |          |
| 1498           | 24                    | straight with arrow         | 1300                  | ■                                                             | ■                                                            |          |
| 1532           | 16                    | offset                      | 3200                  | ■                                                             | ■                                                            | 🌀        |
| 1619           | 24                    | offset                      | 2300                  | ■                                                             | ■                                                            | 🌀        |
| 1650           | 34                    | offset                      | 1700                  | ■                                                             |                                                              |          |
| 1651           | 31.9                  | offset                      | 1500                  | ■                                                             | ■                                                            |          |
| 1669           | 28                    | offset                      | 1900                  | ■                                                             | ■                                                            |          |
| 1673           | 20                    | offset                      | 2600                  | ■                                                             | ■                                                            | 🌀        |
| 1674           | 14.6                  | straight with nose          | 3000                  | ■                                                             | ■                                                            |          |
| 1707           | 24                    | straight with noses         | 2400                  | ■                                                             | ■                                                            | 🌀        |
| 1729           | 30                    | straight                    | 2500                  | ■                                                             | ■                                                            | 🌀        |
| 1750           | 24                    | straight with nose          | 1300                  |                                                               |                                                              |          |
| 1754           | 15                    | straight                    | 4200                  | ■                                                             | ■                                                            | 🌀        |
| 1814           | 36                    | straight                    | 2200                  | ■                                                             | ■                                                            | 🌀        |
| 1840           | 19.7                  | bolt operating profile      | 2500                  |                                                               |                                                              | 🌀        |
| 1861           | 34                    | 3 hollow chambers           | 1300                  | ■                                                             | ■                                                            |          |
| 1864           | 16                    | straight                    | 4000                  | ■                                                             | ■                                                            | 🌀        |
| 1866           | 16                    | straight with arrow         | 2300                  | ■                                                             | ■                                                            |          |
| 1884           | 14.6                  | straight with nose          | 3000                  | ■                                                             | ■                                                            |          |
| 1885           | 34                    | straight                    | 2000                  | ■                                                             | ■                                                            | 🌀        |
| 1910           | 14.6                  | straight                    | 4500                  | ■                                                             | ■                                                            | 🌀        |
| 1918           | 17                    | offset with groove          | 1800                  | ■                                                             |                                                              |          |
| 1919           | 17                    | offset with nose            | 1800                  | ■                                                             |                                                              |          |

\* approximate values, which can deviate in individual cases    \*\* Dimensions may differ; LI and RE-LI not available in coils

| Article number | Insulating depth (mm) | Description of the geometry   | Pieces per stillage * | Foot compatible with aluminium cavity suggestion short hammer | Foot compatible with aluminium cavity suggestion long hammer | Coils ** |
|----------------|-----------------------|-------------------------------|-----------------------|---------------------------------------------------------------|--------------------------------------------------------------|----------|
| 1920           | 24                    | straight with groove and nose | 1500                  | ■                                                             | ■                                                            |          |
| 1921           | 24                    | straight with groove and "T"  | 1500                  | ■                                                             | ■                                                            |          |
| 1922           | 24                    | straight with groove          | 2200                  | ■                                                             | ■                                                            | ⊗        |
| 1926           | 18.6                  | straight                      | 3000                  | ■                                                             | ■                                                            | ⊗        |
| 1927           | 16                    | straight with nose            | 2900                  | ■                                                             | ■                                                            |          |
| 1928           | 16                    | straight                      | 4000                  | ■                                                             | ■                                                            | ⊗        |
| 1945           | 16                    | offset                        | 3200                  | ■                                                             | ■                                                            | ⊗        |
| 1946           | 14.8                  | offset                        | 3500                  | ■                                                             | ■                                                            | ⊗        |
| 1947           | 16                    | offset with arrow             | 2800                  | ■                                                             | ■                                                            |          |
| 1953           | 14.6                  | hollow chamber with wide feet | 2200                  |                                                               |                                                              |          |
| 1958           | 36                    | offset                        | 1500                  | ■                                                             | ■                                                            |          |
| 1986           | 35                    | offset with flag              | 1500                  | ■                                                             | ■                                                            |          |
| 1987           | 18                    | offset                        | 3550                  | ■                                                             |                                                              | ⊗        |
| 1988           | 18                    | offset with nose              | 1900                  | ■                                                             |                                                              |          |
| 1989           | 16                    | straight with nose            | 2900                  | ■                                                             | ■                                                            |          |
| 1991           | 18.6                  | straight                      | 3000                  | ■                                                             | ■                                                            | ⊗        |
| 1993           | 26                    | straight with screw channel   | 1500                  | ■                                                             | ■                                                            |          |
| 2006           | 26                    | straight                      | 2200                  | ■                                                             | ■                                                            | ⊗        |
| 2007           | 28                    | straight                      | 2600                  | ■                                                             | ■                                                            | ⊗        |
| 2014           | 13.4                  | offset                        | 3800                  | ■                                                             |                                                              | ⊗        |
| 2016           | 20                    | offset with nose              | 1500                  | ■                                                             | ■                                                            |          |
| 2028           | 14.6                  | offset                        | 3650                  | ■                                                             |                                                              | ⊗        |
| 2031           | 20                    | offset with hook              | 1600                  | ■                                                             | ■                                                            |          |
| 2045           | 14.6                  | straight with nose            | 3000                  | ■                                                             | ■                                                            |          |
| 2046           | 14.6                  | straight                      | 4500                  | ■                                                             | ■                                                            | ⊗        |
| 2049           | 22                    | straight                      | 2600                  | ■                                                             | ■                                                            | ⊗        |
| 2050           | 25                    | offset                        | 2200                  | ■                                                             |                                                              |          |
| 2051           | 25                    | offset with nose              | 1400                  | ■                                                             |                                                              |          |
| 2062           | 22                    | straight with nose            | 2400                  | ■                                                             | ■                                                            |          |
| 2063           | 18                    | offset with nose              | 1950                  | ■                                                             | ■                                                            |          |
| 2078           | 20                    | offset                        | 2600                  | ■                                                             | ■                                                            | ⊗        |
| 2080           | 30                    | offset                        | 2000                  | ■                                                             | ■                                                            |          |
| 2098           | 18                    | offset with nose              | 1800                  | ■                                                             |                                                              |          |
| 2102           | 14.8                  | straight                      | 4800                  | ■                                                             | ■                                                            | ⊗        |
| 2103           | 16                    | straight                      | 4000                  | ■                                                             | ■                                                            | ⊗        |
| 2104           | 14                    | hollow chamber                | 2200                  | ■                                                             | ■                                                            |          |
| 2106           | 25                    | straight with noses           | 2100                  | ■                                                             | ■                                                            | ⊗        |
| 2111           | 18                    | straight                      | 3550                  | ■                                                             | ■                                                            | ⊗        |
| 2126           | 18.6                  | offset                        | 2800                  | ■                                                             | ■                                                            | ⊗        |
| 2134           | 14.8                  | offset with groove            | 2500                  | ■                                                             |                                                              |          |
| 2147           | 16.6                  | hollow chamber with wide feet | 1800                  |                                                               |                                                              |          |
| 2154           | 18                    | offset with "T"               | 1900                  | ■                                                             |                                                              |          |
| 2155           | 25                    | offset with "T"               | 1900                  | ■                                                             |                                                              |          |
| 2156           | 13.5                  | offset                        | 3500                  | ■                                                             |                                                              | ⊗        |
| 2164           | 12                    | hollow chamber                | 3200                  | ■                                                             |                                                              |          |
| 2165           | 24                    | offset with hook              | 1300                  | ■                                                             | ■                                                            |          |
| 2167           | 14.8                  | offset with nose              | 2100                  | ■                                                             | ■                                                            |          |
| 2186           | 14.8                  | straight                      | 4800                  | ■                                                             | ■                                                            | ⊗        |
| 2189           | 16                    | offset with hook              | 2100                  | ■                                                             |                                                              |          |
| 2191           | 24                    | offset with groove            | 1300                  | ■                                                             |                                                              |          |
| 2192           | 12                    | straight                      | 5200                  | ■                                                             | ■                                                            | ⊗        |
| 2195           | 16.5                  | straight with 2 grooves       | 3200                  | ■                                                             | ■                                                            |          |

| Article number | Insulating depth (mm) | Description of the geometry               | Pieces per stillage * | Foot compatible with aluminium cavity suggestion short hammer | Foot compatible with aluminium cavity suggestion long hammer | Coils ** |
|----------------|-----------------------|-------------------------------------------|-----------------------|---------------------------------------------------------------|--------------------------------------------------------------|----------|
| 2196           | 15                    | offset                                    | 3650                  | ■                                                             |                                                              | ☉        |
| 2198           | 28                    | straight                                  | 2600                  | ■                                                             | ■                                                            | ☉        |
| 2199           | 24                    | offset                                    | 2500                  | ■                                                             |                                                              | ☉        |
| 2200           | 24                    | offset with hook                          | 1500                  | ■                                                             |                                                              |          |
| 2202           | 22                    | offset                                    | 2500                  | ■                                                             |                                                              | ☉        |
| 2203           | 22                    | offset with nose                          | 1500                  | ■                                                             |                                                              |          |
| 2204           | 22                    | offset with groove                        | 1500                  | ■                                                             |                                                              |          |
| 2206           | 24                    | offset                                    | 2500                  | ■                                                             | ■                                                            | ☉        |
| 2214           | 24                    | straight with arrow                       | 1300                  | ■                                                             | ■                                                            |          |
| 2237           | 14.8                  | offset                                    | 3650                  | ■                                                             | ■                                                            | ☉        |
| 2246           | 32                    | offset                                    | 1600                  | ■                                                             |                                                              |          |
| 2250           | 17                    | offset                                    | 2800                  | ■                                                             |                                                              | ☉        |
| 2262           | 17                    | offset with groove                        | 1800                  | ■                                                             |                                                              |          |
| 2263           | 17                    | offset with nose                          | 2800                  | ■                                                             |                                                              |          |
| 2267           | 24                    | straight with nose                        | 1700                  | ■                                                             | ■                                                            |          |
| 2268           | 24                    | straight with "T"                         | 1700                  | ■                                                             | ■                                                            |          |
| 2275           | 44                    | offset                                    | 1300                  | ■                                                             |                                                              |          |
| 2279           | 24                    | offset with arrow                         | 1400                  | ■                                                             | ■                                                            |          |
| 2285           | 22                    | offset                                    | 2500                  | ■                                                             | ■                                                            | ☉        |
| 2305           | 18.6                  | straight with nose                        | 2400                  | ■                                                             | ■                                                            |          |
| 2310           | 12                    | straight                                  | 5200                  | ■                                                             | ■                                                            | ☉        |
| 2311           | 25                    | offset with hook                          | 1600                  | ■                                                             | ■                                                            |          |
| 2316           | 24                    | straight with screw channel               | 2000                  | ■                                                             | ■                                                            |          |
| 2331           | 24                    | offset with nose                          | 1550                  | ■                                                             | ■                                                            |          |
| 2334           | 16                    | straight                                  | 4500                  | ■                                                             | ■                                                            | ☉        |
| 2335           | 16                    | straight with arrow                       | 2300                  | ■                                                             | ■                                                            |          |
| 2361           | 32                    | offset with groove                        | 1300                  | ■                                                             |                                                              |          |
| 2365           | 20                    | offset with screw channel                 | 2400                  | ■                                                             | ■                                                            |          |
| 2366           | 24                    | offset with screw channel                 | 2400                  | ■                                                             | ■                                                            |          |
| 2375           | 16                    | offset with hook                          | 2100                  | ■                                                             | ■                                                            |          |
| 2376           | 16                    | offset with arrow                         | 2500                  | ■                                                             | ■                                                            |          |
| 2379           | 18                    | offset                                    | 3550                  | ■                                                             |                                                              | ☉        |
| 2380           | 22                    | offset with nose                          | 1300                  | ■                                                             | ■                                                            |          |
| 2383           | 30                    | straight with screw channel               | 1400                  | ■                                                             | ■                                                            |          |
| 2395           | 24                    | offset with nose                          | 1250                  | ■                                                             |                                                              |          |
| 2396           | 24                    | offset with hook and groove               | 1500                  | ■                                                             |                                                              |          |
| 2423           | 16                    | offset                                    | 3200                  | ■                                                             | ■                                                            | ☉        |
| 2424           | 24                    | offset                                    | 2500                  | ■                                                             | ■                                                            | ☉        |
| 2425           | 24                    | offset with arrow                         | 1250                  | ■                                                             | ■                                                            |          |
| 2426           | 24                    | offset with groove                        | 1300                  | ■                                                             | ■                                                            |          |
| 2427           | 35                    | offset                                    | 1700                  | ■                                                             | ■                                                            |          |
| 2429           | 39                    | offset with 3 hollow chambers and 2 flags | 450                   | ■                                                             |                                                              |          |
| 2432           | 24                    | offset with nose                          | 1600                  | ■                                                             | ■                                                            |          |
| 2435           | 34                    | supplementary profile for sliding systems | 430                   | ■                                                             | ■                                                            |          |
| 2440           | 14.8                  | offset                                    | 3650                  | ■                                                             | ■                                                            | ☉        |
| 2444           | 18                    | straight with groove                      | 3000                  | ■                                                             |                                                              |          |
| 2455           | 31.5                  | profile for hidden sash                   | 850                   |                                                               |                                                              |          |
| 2479           | 20                    | offset                                    | 2600                  | ■                                                             | ■                                                            | ☉        |
| 2495           | 20                    | offset with nose                          | 1800                  |                                                               |                                                              |          |
| 2501           | 28                    | offset with nose                          | 1000                  | ■                                                             | ■                                                            |          |
| 2515           | 28                    | offset with nose                          | 800                   | ■                                                             | ■                                                            |          |
| 2520           | 18.6                  | offset                                    | 2900                  | ■                                                             | ■                                                            | ☉        |

\* approximate values, which can deviate in individual cases \*\* Dimensions may differ; LI and RE-LI not available in coils

| Article number | Insulating depth (mm) | Description of the geometry               | Pieces per stillage * | Foot compatible with aluminium cavity suggestion short hammer | Foot compatible with aluminium cavity suggestion long hammer | Coils ** |
|----------------|-----------------------|-------------------------------------------|-----------------------|---------------------------------------------------------------|--------------------------------------------------------------|----------|
| 2521           | 20                    | straight                                  | 3000                  | ■                                                             | ■                                                            | ☉        |
| 2522           | 31.9                  | straight                                  | 2000                  | ■                                                             | ■                                                            | ☉        |
| 2523           | 31.9                  | offset                                    | 1500                  | ■                                                             | ■                                                            |          |
| 2530           | 10                    | offset                                    | 5000                  | ■                                                             | ■                                                            | ☉        |
| 2531           | 12                    | offset                                    | 4500                  | ■                                                             |                                                              | ☉        |
| 2535           | 26                    | offset                                    | 1700                  | ■                                                             |                                                              | ☉        |
| 2593           | 18                    | offset with hook                          | 1900                  | ■                                                             | ■                                                            |          |
| 2594           | 18                    | straight with screw channel               | 2500                  | ■                                                             | ■                                                            |          |
| 2605           | 20                    | offset                                    | 2600                  | ■                                                             | ■                                                            | ☉        |
| 2614           | 28                    | offset with groove                        | 2000                  | ■                                                             | ■                                                            |          |
| 2631           | 32                    | offset                                    | 1600                  | ■                                                             |                                                              |          |
| 2632           | 24                    | straight with arrow                       | 1300                  | ■                                                             | ■                                                            |          |
| 2633           | 24                    | straight                                  | 3100                  | ■                                                             | ■                                                            | ☉        |
| 2634           | 16                    | straight                                  | 4000                  | ■                                                             | ■                                                            | ☉        |
| 2635           | 16                    | straight with arrow                       | 2300                  | ■                                                             | ■                                                            |          |
| 2636           | 41                    | 4 hollow chambers                         | 1000                  | ■                                                             | ■                                                            |          |
| 2638           | 32                    | straight                                  | 2000                  | ■                                                             | ■                                                            | ☉        |
| 2647           | 44                    | offset                                    | 1300                  | ■                                                             | ■                                                            |          |
| 2649           | 32                    | offset with hook and "T"                  | 870                   | ■                                                             |                                                              |          |
| 2655           | 42                    | offset                                    | 1450                  | ■                                                             | ■                                                            |          |
| 2656           | 42                    | offset with groove                        | 1450                  | ■                                                             | ■                                                            |          |
| 2703           | 18.6                  | straight with screw channel               | 2500                  | ■                                                             | ■                                                            |          |
| 2705           | 36.65                 | spacer for curtain walls                  | 400                   |                                                               |                                                              |          |
| 2727           | 32                    | offset with hollow chamber                | 820                   | ■                                                             |                                                              |          |
| 2728           | 32                    | offset with "T"                           | 1160                  | ■                                                             | ■                                                            |          |
| 2729           | 24                    | offset with nose                          | 1560                  | ■                                                             | ■                                                            |          |
| 2730           | 24                    | offset                                    | 2760                  | ■                                                             | ■                                                            |          |
| 2740           | 30                    | offset                                    | 1920                  | ■                                                             |                                                              |          |
| 2742           | 20                    | offset                                    | 2600                  | ■                                                             |                                                              | ☉        |
| 2764           | 32                    | straight with screw channel               | 1300                  | ■                                                             | ■                                                            |          |
| 2765           | 34                    | offset                                    | 1700                  | ■                                                             |                                                              |          |
| 2774           | 24                    | offset with nose                          | 1570                  | ■                                                             | ■                                                            |          |
| 2780           | 24                    | offset                                    | 2500                  | ■                                                             |                                                              | ☉        |
| 2793           | 18.6                  | straight with nose                        | 1700                  | ■                                                             | ■                                                            |          |
| 2794           | 24                    | offset                                    | 2300                  | ■                                                             |                                                              | ☉        |
| 2795           | 28                    | offset                                    | 2000                  | ■                                                             | ■                                                            | ☉        |
| 2796           | 28                    | offset with hook and "T"                  | 1150                  | ■                                                             | ■                                                            |          |
| 2797           | 18                    | offset                                    | 3550                  | ■                                                             | ■                                                            | ☉        |
| 2805           | 34                    | offset with groove and 2 flags            | 1140                  | ■                                                             |                                                              |          |
| 2807           | 34                    | offset with 2 flags                       | 1520                  | ■                                                             |                                                              |          |
| 2817           | 25                    | offset                                    | 2200                  | ■                                                             | ■                                                            | ☉        |
| 2834           | 32                    | supplementary profile for sliding systems | 1200                  |                                                               |                                                              |          |
| 2835           |                       | runner rail for sliding systems           | 800                   |                                                               |                                                              |          |
| 2855           | 34                    | offset with 3 hollow chambers             | 600                   | ■                                                             |                                                              |          |
| 2856           | 34                    | offset with 2 hollow chambers             | 750                   | ■                                                             |                                                              |          |
| 2857           | 34                    | offset with hook and "T"                  | 950                   | ■                                                             |                                                              |          |
| 2877           | 14.6                  | straight                                  | 4500                  | ■                                                             | ■                                                            | ☉        |
| 2883           | 27                    | offset                                    | 2300                  | ■                                                             |                                                              |          |
| 2884           | 24                    | straight                                  | 3100                  | ■                                                             | ■                                                            | ☉        |
| 2899           | 18                    | straight with 2 grooves                   | 2300                  |                                                               |                                                              |          |
| 2902           | 24                    | straight with nose                        | 1300                  | ■                                                             | ■                                                            |          |
| 2907           | 21                    | straight                                  | 2900                  | ■                                                             | ■                                                            | ☉        |

| Article number | Insulating depth (mm) | Description of the geometry                | Pieces per stillage * | Foot compatible with aluminium cavity suggestion short hammer | Foot compatible with aluminium cavity suggestion long hammer | Coils ** |
|----------------|-----------------------|--------------------------------------------|-----------------------|---------------------------------------------------------------|--------------------------------------------------------------|----------|
| 2908           | 21                    | straight with nose                         | 1300                  | ■                                                             |                                                              |          |
| 2909           | 21                    | straight with groove                       | 2500                  | ■                                                             |                                                              |          |
| 2910           | 32                    | supplementary profile for sliding systems  | 1200                  |                                                               |                                                              |          |
| 2911           | 32                    | offset with 2 hooks                        | 1000                  | ■                                                             |                                                              |          |
| 2923           | 32                    | offset                                     | 1600                  | ■                                                             |                                                              |          |
| 2951           | 18                    | offset with groove                         | 3000                  |                                                               |                                                              |          |
| 2952           | 14.6                  | straight                                   | 4500                  | ■                                                             | ■                                                            | ☉        |
| 2969           | 49                    | offset                                     | 1150                  | ■                                                             |                                                              |          |
| 3008           |                       | supplementary profile for sliding systems  | 1900                  |                                                               |                                                              |          |
| 3010           | 35                    | offset                                     | 1400                  | ■                                                             | ■                                                            |          |
| 3012           | 34                    | offset                                     | 1500                  | ■                                                             | ■                                                            |          |
| 3020           | 24                    | offset with flag                           | 1300                  | ■                                                             |                                                              |          |
| 3021           | 24                    | offset with arrow and groove               | 1300                  | ■                                                             |                                                              |          |
| 3022           | 24                    | offset with nose                           | 1600                  | ■                                                             | ■                                                            |          |
| 3023           | 24                    | offset                                     | 2500                  | ■                                                             | ■                                                            | ☉        |
| 3024           | 24                    | offset with groove                         | 1320                  | ■                                                             | ■                                                            |          |
| 3025           | 32                    | offset with hook                           | 1400                  | ■                                                             |                                                              |          |
| 3057           | 32                    | offset with 2 flags                        | 1400                  | ■                                                             |                                                              |          |
| 3062           | 20                    | offset                                     | 2600                  | ■                                                             |                                                              | ☉        |
| 3068           | 49                    | offset with groove                         | 1150                  | ■                                                             |                                                              |          |
| 3077           |                       | chicane for sliding systems                | 270                   |                                                               |                                                              |          |
| 3078           | 27                    | offset                                     | 2300                  | ■                                                             |                                                              |          |
| 3079           | 27                    | straight with nose                         | 1400                  | ■                                                             |                                                              |          |
| 3080           | 27                    | offset with groove                         | 1300                  | ■                                                             |                                                              |          |
| 3102           | 32                    | spacer for curtain walls                   | 780                   |                                                               |                                                              |          |
| 3109           | 28                    | offset with "T"                            | 1400                  | ■                                                             | ■                                                            |          |
| 3110           | 28                    | offset with 3 hollow chambers              | 1090                  | ■                                                             |                                                              |          |
| 3122           | 18                    | offset with nose                           | 1950                  | ■                                                             | ■                                                            |          |
| 3123           | 34                    | offset                                     | 1760                  | ■                                                             | ■                                                            |          |
| 3124           | 34                    | offset with "T"                            | 1260                  | ■                                                             | ■                                                            |          |
| 3125           | 34                    | offset with 4 hollow chambers              | 1060                  | ■                                                             |                                                              |          |
| 3129           |                       | runner rail holder for sliding systems     | 860                   |                                                               |                                                              |          |
| 3138           | 14.8                  | straight                                   | 4800                  | ■                                                             | ■                                                            | ☉        |
| 3145           | 28                    | offset with 2 hollow chambers and 2 flags  | 650                   | ■                                                             |                                                              |          |
| 3146           | 35                    | offset with 2 grooves and 2 flags          | 750                   | ■                                                             |                                                              |          |
| 3148           | 24                    | straight with arrow                        | 1300                  | ■                                                             | ■                                                            |          |
| 3149           | 24                    | straight with groove                       | 2150                  | ■                                                             | ■                                                            |          |
| 3172           | 34                    | offset with 2 hollow chambers and 2 flags  | 540                   | ■                                                             |                                                              |          |
| 3199           | 20                    | offset with hook                           | 1600                  | ■                                                             | ■                                                            |          |
| 3212           | 31.8                  | 3 hollow chambers with screw channel       | 1470                  | ■                                                             | ■                                                            |          |
| 3229           | 35                    | offset                                     | 1400                  | ■                                                             | ■                                                            |          |
| 3244           | 28                    | offset with hollow chamber                 | 300                   | ■                                                             |                                                              |          |
| 3255           | 20                    | offset with groove                         | 1600                  | ■                                                             |                                                              |          |
| 3257           | 24                    | offset                                     | 2500                  | ■                                                             | ■                                                            | ☉        |
| 3258           | 24                    | offset with arrow                          | 1300                  | ■                                                             | ■                                                            |          |
| 3266           | 19.5                  | bolt operating profile                     | 3500                  |                                                               |                                                              | ☉        |
| 3272           | 42                    | offset                                     | 1400                  | ■                                                             |                                                              |          |
| 3273           | 42                    | offset with hook and "T"                   | 800                   | ■                                                             |                                                              |          |
| 3274           | 42                    | offset with 3 hollow chambers              | 480                   | ■                                                             |                                                              |          |
| 3277           | 54                    | 6 hollow chambers with 2 grooves and noses | 600                   | ■                                                             |                                                              |          |
| 3278           | 54                    | offset with 5 hollow chambers and noses    | 550                   | ■                                                             |                                                              |          |
| 3279           | 35                    | offset with 2 flags                        | 700                   | ■                                                             |                                                              |          |

\* approximate values, which can deviate in individual cases \*\* Dimensions may differ; LI and RE-LI not available in coils

| Article number | Insulating depth (mm) | Description of the geometry               | Pieces per stillage * | Foot compatible with aluminium cavity suggestion short hammer | Foot compatible with aluminium cavity suggestion long hammer | Coils ** |
|----------------|-----------------------|-------------------------------------------|-----------------------|---------------------------------------------------------------|--------------------------------------------------------------|----------|
| 3280           | 35                    | offset with groove and 2 flags            | 1400                  | ■                                                             |                                                              |          |
| 3281           | 35                    | offset with 2 flags                       | 1000                  | ■                                                             |                                                              |          |
| 3282           | 34                    | offset with 2 hollow chambers             | 820                   | ■                                                             |                                                              |          |
| 3283           | 24                    | offset with double hook                   | 1300                  | ■                                                             |                                                              |          |
| 3284           | 24                    | straight with noses                       | 2400                  | ■                                                             | ■                                                            | ⊗        |
| 3285           | 24                    | offset with arrow                         | 1100                  | ■                                                             | ■                                                            |          |
| 3286           | 14.8                  | offset with hook                          | 2100                  | ■                                                             | ■                                                            |          |
| 3297           | 15                    | spacer for curtain walls                  | 1600                  |                                                               |                                                              |          |
| 3298           |                       | chicane for sliding systems               | 360                   |                                                               |                                                              |          |
| 3307           | 40                    | offset with 3 grooves                     | 900                   | ■                                                             |                                                              |          |
| 3310           | 50                    | offset with groove and flag               | 700                   | ■                                                             |                                                              |          |
| 3311           | 50                    | offset                                    | 1150                  | ■                                                             |                                                              |          |
| 3315           | 34                    | offset with groove and 2 flags            | 840                   | ■                                                             |                                                              |          |
| 3316           | 34                    | offset with 2 flags                       | 820                   | ■                                                             |                                                              |          |
| 3319           | 47.05                 | profile for hidden sash                   | 430                   |                                                               |                                                              |          |
| 3320           |                       | glazing bead                              | 2500                  |                                                               |                                                              |          |
| 3338           | 54                    | 6 hollow chambers with noses and 5 flags  | 450                   | ■                                                             |                                                              |          |
| 3339           | 54                    | 6 hollow chambers with noses              | 800                   | ■                                                             |                                                              |          |
| 3341           | 23                    | offset with hook                          | 1500                  | ■                                                             | ■                                                            |          |
| 3342           |                       | chicane for sliding systems               | 360                   |                                                               |                                                              |          |
| 3350           | 35                    | offset with 2 hollow chambers and 2 flags | 500                   | ■                                                             |                                                              |          |
| 3351           | 35                    | offset with 3 flags                       | 720                   | ■                                                             |                                                              |          |
| 3352           | 35                    | offset with hook and groove               | 920                   | ■                                                             |                                                              |          |
| 3353           | 40                    | straight                                  | 2200                  | ■                                                             | ■                                                            | ⊗        |
| 3354           | 40                    | offset                                    | 1500                  | ■                                                             | ■                                                            |          |
| 3368           | 14.8                  | straight with nose                        | 3000                  | ■                                                             | ■                                                            |          |
| 3369           | 18.6                  | straight                                  | 3000                  | ■                                                             | ■                                                            | ⊗        |
| 3370           | 18.6                  | straight with nose                        | 2200                  | ■                                                             | ■                                                            |          |
| 3371           | 24                    | straight                                  | 3100                  | ■                                                             | ■                                                            | ⊗        |
| 3372           | 24                    | straight with nose                        | 1300                  | ■                                                             | ■                                                            |          |
| 3373           | 18                    | offset with nose                          | 1900                  | ■                                                             | ■                                                            |          |
| 3374           | 18                    | offset with groove                        | 1700                  | ■                                                             |                                                              |          |
| 3375           | 18                    | offset                                    | 3550                  | ■                                                             | ■                                                            | ⊗        |
| 3377           | 34                    | offset with groove                        | 1100                  | ■                                                             |                                                              |          |
| 3378           | 14.6                  | hollow chamber with wide feet and nose    | 1300                  |                                                               |                                                              |          |
| 3379           | 34                    | offset with 2 "T"                         | 900                   | ■                                                             | ■                                                            |          |
| 3380           | 24                    | straight with noses                       | 2400                  | ■                                                             | ■                                                            |          |
| 3386           | 24                    | 2 hollow chambers                         | 2000                  | ■                                                             | ■                                                            |          |
| 3387           | 24                    | offset with "T"                           | 1800                  | ■                                                             |                                                              |          |
| 3388           | 14.8                  | offset                                    | 3650                  | ■                                                             | ■                                                            | ⊗        |
| 3389           | 18.6                  | offset                                    | 2800                  | ■                                                             | ■                                                            | ⊗        |
| 3390           | 24                    | offset                                    | 2500                  | ■                                                             | ■                                                            | ⊗        |
| 3391           | 35                    | offset                                    | 1700                  | ■                                                             |                                                              |          |
| 3392           | 35                    | offset with hook, groove and 3 flags      | 500                   | ■                                                             |                                                              |          |
| 3398           | 39                    | offset with 3 hollow chambers and 2 flags | 440                   | ■                                                             |                                                              |          |
| 3399           | 39                    | offset with 2 flags                       | 950                   | ■                                                             |                                                              |          |
| 3400           | 39                    | offset with groove and 2 flags            | 750                   | ■                                                             |                                                              |          |
| 3413           | 28                    | offset with hollow chamber                | 1150                  | ■                                                             | ■                                                            |          |
| 3419           | 30                    | offset with hook                          | 1600                  | ■                                                             | ■                                                            |          |
| 3424           |                       | supplementary profile for sliding systems | 2500                  |                                                               |                                                              |          |
| 3425           | 24                    | offset with arrow                         | 1250                  | ■                                                             |                                                              |          |
| 3432           | 30                    | straight                                  | 2500                  | ■                                                             | ■                                                            |          |



| Article number | Insulating depth (mm) | Description of the geometry               | Pieces per stillage * | Foot compatible with aluminium cavity suggestion short hammer | Foot compatible with aluminium cavity suggestion long hammer | Coils ** |
|----------------|-----------------------|-------------------------------------------|-----------------------|---------------------------------------------------------------|--------------------------------------------------------------|----------|
| 3433           | 26                    | straight with screw channel               | 1700                  | ■                                                             | ■                                                            |          |
| 3444           | 32                    | offset with nose                          | 840                   | ■                                                             |                                                              |          |
| 3448           | 24                    | offset                                    | 2650                  | ■                                                             | ■                                                            | ☉        |
| 3454           | 20                    | offset with nose                          | 1500                  | ■                                                             |                                                              |          |
| 3493           |                       | chicane for sliding systems               | 900                   |                                                               |                                                              |          |
| 3494           |                       | chicane for sliding systems               | 320                   |                                                               |                                                              |          |
| 3546           | 20                    | 2 hollow chambers                         | 2200                  | ■                                                             |                                                              |          |
| 3555           | 29                    | offset                                    | 1950                  | ■                                                             |                                                              |          |
| 3557           | 14                    | offset                                    | 3500                  | ■                                                             | ■                                                            | ☉        |
| 3560           | 12                    | straight                                  | 5200                  | ■                                                             | ■                                                            | ☉        |
| 3582           | 19.5                  | bolt operating profile                    | 4000                  |                                                               |                                                              | ☉        |
| 3584           | 26.25                 | spacer for curtain walls                  | 840                   |                                                               |                                                              |          |
| 3585           | 21.15                 | spacer for curtain walls                  | 1000                  |                                                               |                                                              |          |
| 3591           | 20                    | straight                                  | 2900                  | ■                                                             | ■                                                            | ☉        |
| 3606           | 30                    | 2 hollow chambers with flag               | 1300                  | ■                                                             |                                                              |          |
| 3620           | 34                    | offset with 2 "T" and 2 flags             | 750                   | ■                                                             | ■                                                            |          |
| 3621           | 18                    | offset with nose                          | 2000                  | ■                                                             | ■                                                            |          |
| 3622           | 24                    | offset with hook                          | 1800                  | ■                                                             |                                                              |          |
| 3623           | 34                    | offset with 2 "T"                         | 1200                  | ■                                                             | ■                                                            |          |
| 3632           | 10                    | straight                                  | 6000                  | ■                                                             | ■                                                            | ☉        |
| 3633           | 14.8                  | offset                                    | 3500                  | ■                                                             |                                                              | ☉        |
| 3636           | 39                    | offset with groove and 2 flags            | 800                   | ■                                                             |                                                              |          |
| 3637           | 39                    | offset with 2 flags                       | 650                   | ■                                                             |                                                              |          |
| 3638           | 39                    | offset with groove and 2 flags            | 550                   | ■                                                             |                                                              |          |
| 3639           | 39                    | offset with 3 hollow chambers and 2 flags | 400                   | ■                                                             |                                                              |          |
| 3640           | 39                    | offset with 3 hollow chambers and 2 flags | 440                   | ■                                                             |                                                              |          |
| 3641           | 46                    | offset                                    | 1200                  | ■                                                             |                                                              |          |
| 3655           | 34                    | offset with flag                          | 800                   | ■                                                             |                                                              |          |
| 3660           | 34                    | offset with flag                          | 1050                  | ■                                                             |                                                              |          |
| 3668           | 19.5                  | bolt operating profile                    | 4200                  |                                                               |                                                              | ☉        |
| 3693           | 11.6                  | spacer for curtain walls                  | 2500                  |                                                               |                                                              |          |
| 3697           | 20                    | offset with hook                          | 1600                  | ■                                                             | ■                                                            |          |
| 3698           | 20                    | straight                                  | 3000                  | ■                                                             | ■                                                            | ☉        |
| 3700           | 28                    | straight with screw channel               | 1600                  | ■                                                             | ■                                                            |          |
| 3701           | 32                    | straight                                  | 2000                  | ■                                                             | ■                                                            | ☉        |
| 3714           | 16                    | offset                                    | 4000                  | ■                                                             | ■                                                            | ☉        |
| 3715           | 18                    | offset                                    | 3500                  | ■                                                             | ■                                                            | ☉        |
| 3716           | 22                    | offset                                    | 2900                  | ■                                                             | ■                                                            | ☉        |
| 3723           | 31.9                  | offset                                    | 1900                  | ■                                                             |                                                              |          |
| 3724           | 28                    | offset                                    | 2000                  | ■                                                             | ■                                                            |          |
| 3725           | 14                    | hollow chamber                            | 4000                  | ■                                                             | ■                                                            |          |
| 3726           | 32                    | supplementary profile for sliding systems | 1300                  |                                                               |                                                              |          |
| 3745           | 14.8                  | offset with "T"                           | 2300                  | ■                                                             | ■                                                            |          |
| 3746           | 34                    | offset with groove                        | 1950                  | ■                                                             | ■                                                            |          |
| 3747           | 17.6                  | spacer for curtain walls                  | 1800                  |                                                               |                                                              |          |
| 3760           | 31.8                  | 3 hollow chambers with screw channel      | 1400                  | ■                                                             | ■                                                            |          |
| 3761           | 29                    | offset                                    | 2100                  | ■                                                             |                                                              |          |
| 3778           | 17.7                  | bolt operating profile                    | 2900                  |                                                               |                                                              | ☉        |
| 3784           | 18.6                  | offset with hook                          | 1000                  | ■                                                             | ■                                                            |          |
| 3790           | 30                    | offset with flag                          | 800                   | ■                                                             | ■                                                            |          |
| 3798           | 28                    | offset with flag                          | 1100                  | ■                                                             | ■                                                            |          |
| 3804           | 21                    | offset                                    | 2800                  | ■                                                             | ■                                                            | ☉        |

\* approximate values, which can deviate in individual cases \*\* Dimensions may differ; LI and RE-LI not available in coils

| Article number | Insulating depth (mm) | Description of the geometry         | Pieces per stillage * | Foot compatible with aluminium cavity suggestion short hammer | Foot compatible with aluminium cavity suggestion long hammer | Coils ** |
|----------------|-----------------------|-------------------------------------|-----------------------|---------------------------------------------------------------|--------------------------------------------------------------|----------|
| 3812           | 40                    | offset                              | 1440                  | ■                                                             | ■                                                            |          |
| 3813           | 36                    | offset                              | 1600                  | ■                                                             | ■                                                            |          |
| 3824           | 38                    | offset                              | 1600                  | ■                                                             | ■                                                            |          |
| 3825           | 34                    | 3 hollow chambers with groove       | 940                   | ■                                                             | ■                                                            |          |
| 3826           | 34                    | offset with 2 hollow chambers       | 840                   | ■                                                             | ■                                                            |          |
| 3827           | 39                    | offset                              | 1600                  | ■                                                             | ■                                                            |          |
| 3828           | 39                    | 2 hollow chambers with groove       | 900                   | ■                                                             | ■                                                            |          |
| 3829           | 34                    | offset                              | 1800                  | ■                                                             | ■                                                            |          |
| 3836           | 17.5                  | spacer for curtain walls            | 1150                  |                                                               |                                                              |          |
| 3842           | 28                    | offset with groove and flag         | 1100                  | ■                                                             | ■                                                            |          |
| 3843           | 28                    | offset with hollow chamber and flag | 720                   | ■                                                             | ■                                                            |          |
| 3848           | 34                    | 3 hollow chambers                   | 1300                  | ■                                                             | ■                                                            |          |
| 3864           | 39                    | offset with 2 flags                 | 950                   | ■                                                             |                                                              |          |
| 3884           | 30                    | shear-free profile                  | 1700                  | ■                                                             | ■                                                            |          |
| 3889           | 32                    | offset with flag                    | 1050                  | ■                                                             | ■                                                            |          |
| 3893           | 24                    | offset with hollow chamber          | 1050                  | ■                                                             | ■                                                            |          |
| 3896           | 28                    | offset with flag                    | 1200                  | ■                                                             | ■                                                            |          |
| 3909           | 17                    | hollow chamber with wide feet       | 1800                  |                                                               |                                                              |          |
| 3918           | 22                    | offset with nose                    | 1500                  | ■                                                             | ■                                                            |          |
| 3920           | 28                    | offset with flag                    | 1200                  | ■                                                             | ■                                                            |          |
| 3935           | 34                    | offset                              | 1800                  | ■                                                             | ■                                                            |          |
| 3936           | 35                    | 2 hollow chambers                   | 850                   | ■                                                             | ■                                                            |          |
| 3957           | 32                    | offset with flag                    | 1200                  | ■                                                             |                                                              |          |
| 3963           | 20                    | shear-free profile                  | 2400                  | ■                                                             | ■                                                            |          |
| 3966           | 43.5                  | profile for hidden sash             | 600                   |                                                               |                                                              |          |
| 3984           | 39                    | offset with groove                  | 1000                  | ■                                                             | ■                                                            |          |
| 3985           | 15                    | offset with nose                    | 2500                  | ■                                                             |                                                              |          |
| 3986           | 34                    | 3 hollow chambers                   | 1200                  | ■                                                             | ■                                                            |          |
| 3989           | 18                    | shear-free profile                  | 2500                  | ■                                                             | ■                                                            |          |
| 3995           | 22                    | shear-free profile                  | 2300                  | ■                                                             | ■                                                            |          |
| 3998           | 24                    | shear-free profile                  | 2100                  | ■                                                             | ■                                                            |          |
| 4004           | 26                    | shear-free profile                  | 1950                  | ■                                                             | ■                                                            |          |
| 4007           | 28                    | shear-free profile                  | 1800                  | ■                                                             | ■                                                            |          |
| 4010           | 32                    | shear-free profile                  | 1600                  | ■                                                             | ■                                                            |          |
| 4013           | 34                    | shear-free profile                  | 1450                  | ■                                                             | ■                                                            |          |
| 4019           | 42                    | shear-free profile                  | 1200                  | ■                                                             | ■                                                            |          |
| 4022           | 42                    | offset with 3 hollow chambers       | 550                   | ■                                                             |                                                              |          |
| 4056           | 28                    | offset with flag                    | 1500                  | ■                                                             |                                                              |          |
| 4059           | 14.6                  | hollow chamber with wide feet       | 2500                  |                                                               |                                                              |          |
| 4060           | 14.6                  | straight with screw channel         | 3000                  | ■                                                             | ■                                                            |          |
| 4061           | 16                    | hollow chamber with wide feet       | 1800                  |                                                               |                                                              |          |
| 4062           | 50                    | offset                              | 1150                  | ■                                                             | ■                                                            |          |
| 4063           | 24                    | offset with hook                    | 1600                  | ■                                                             | ■                                                            |          |
| 4075           | 38                    | offset                              | 1600                  | ■                                                             | ■                                                            |          |
| 4101           | 24                    | offset with hook                    | 1600                  | ■                                                             | ■                                                            |          |
| 4102           | 16                    | offset with arrow                   | 2500                  | ■                                                             | ■                                                            |          |
| 4178           | 29                    | offset                              | 2000                  | ■                                                             |                                                              |          |
| 4192           | 39                    | offset                              | 1600                  | ■                                                             | ■                                                            |          |
| 4199           | 20                    | 2 hollow chambers                   | 2200                  | ■                                                             |                                                              |          |
| 4200           | 28                    | offset                              | 2000                  | ■                                                             | ■                                                            |          |
| 4202           | 42                    | offset                              | 1450                  | ■                                                             | ■                                                            |          |
| 4214           | 24.8                  | offset                              | 2200                  | ■                                                             | ■                                                            |          |

| Article number | Insulating depth (mm) | Description of the geometry              | Pieces per stillage * | Foot compatible with aluminium cavity suggestion short hammer | Foot compatible with aluminium cavity suggestion long hammer | Coils ** |
|----------------|-----------------------|------------------------------------------|-----------------------|---------------------------------------------------------------|--------------------------------------------------------------|----------|
| 4215           | 24.8                  | offset with nose                         | 1600                  | ■                                                             | ■                                                            |          |
| 4216           | 24.8                  | offset with hook                         | 1900                  | ■                                                             | ■                                                            |          |
| 4245           | 20                    | straight                                 | 2900                  | ■                                                             | ■                                                            |          |
| 4262           | 30                    | offset                                   | 2000                  | ■                                                             | ■                                                            |          |
| 4263           | 22                    | offset                                   | 2500                  | ■                                                             |                                                              | Ⓢ        |
| 4264           | 35                    | profile for hidden sash                  | 650                   |                                                               |                                                              |          |
| 4271           | 25.3                  | offset                                   | 2200                  | ■                                                             |                                                              |          |
| 4272           | 25.3                  | offset with hollow chamber               | 1200                  | ■                                                             |                                                              |          |
| 4275           | 34                    | straight with screw channel              | 1400                  | ■                                                             | ■                                                            |          |
| 4276           | 38                    | offset                                   | 1600                  | ■                                                             | ■                                                            |          |
| 4277           | 38                    | straight                                 | 2200                  | ■                                                             | ■                                                            | Ⓢ        |
| 4283           | 24                    | offset with hollow chamber               | 1050                  | ■                                                             | ■                                                            |          |
| 4296           | 28                    | offset with 2 flags                      | 1500                  | ■                                                             | ■                                                            |          |
| 4298           | 28                    | offset with "T" and flag                 | 1400                  | ■                                                             | ■                                                            |          |
| 4317           | 25.3                  | offset with groove                       | 1300                  | ■                                                             |                                                              |          |
| 4325           | 37                    | offset                                   | 1600                  | ■                                                             | ■                                                            |          |
| 4327           | 34                    | offset with groove and 2 flags           | 1140                  | ■                                                             |                                                              |          |
| 4329           | 20.5                  | spacer for curtain walls                 | 1350                  |                                                               |                                                              |          |
| 4330           | 25                    | hollow chamber with wide feet and groove | 1400                  |                                                               |                                                              |          |
| 4331           | 29.7                  | supplementary profile for curtain walls  | 2500                  |                                                               |                                                              |          |
| 4332           | 37.7                  | supplementary profile for curtain walls  | 1900                  |                                                               |                                                              |          |
| 4347           | 34                    | offset with groove                       | 1200                  | ■                                                             |                                                              |          |
| 4348           | 44                    | offset with 2 grooves                    | 740                   | ■                                                             |                                                              |          |
| 4349           | 44                    | offset with 4 hollow chambers            | 550                   | ■                                                             |                                                              |          |
| 4351           | 20                    | offset with groove                       | 1600                  | ■                                                             |                                                              |          |
| 4362           | 36                    | shear-free profile                       | 1300                  | ■                                                             | ■                                                            |          |
| 4365           | 37                    | offset                                   | 1600                  | ■                                                             |                                                              |          |
| 4367           | 30                    | offset with flag                         | 1050                  | ■                                                             | ■                                                            |          |
| 4370           | 30                    | offset                                   | 2000                  | ■                                                             | ■                                                            |          |
| 4386           | 14                    | offset                                   | 3600                  | ■                                                             | ■                                                            | Ⓢ        |
| 4388           | 24                    | offset with nose                         | 1600                  | ■                                                             | ■                                                            |          |
| 4396           | 35                    | offset with 2 flags                      | 1000                  | ■                                                             |                                                              |          |
| 4402           | 34                    | offset with 2 "T"                        | 900                   | ■                                                             | ■                                                            |          |
| 4430           | 36.5                  | profile for hidden sash                  | 700                   |                                                               |                                                              |          |
| 4458           | 43                    | offset                                   | 1400                  | ■                                                             |                                                              |          |
| 4461           | 52                    | straight                                 | 1700                  | ■                                                             | ■                                                            |          |
| 4467           | 32                    | offset with 2 flags                      | 1400                  | ■                                                             | ■                                                            |          |
| 4468           | 32                    | offset with groove and 2 flags           | 1100                  | ■                                                             | ■                                                            |          |
| 4469           | 32                    | offset with hollow chamber and 2 flags   | 1000                  | ■                                                             | ■                                                            |          |
| 4474           | 33                    | offset                                   | 1700                  | ■                                                             |                                                              |          |
| 4494           | 26                    | offset with nose                         | 1450                  | ■                                                             |                                                              |          |
| 4503           | 42                    | offset with 2 flags                      | 850                   | ■                                                             |                                                              |          |
| 4518           | 40                    | straight                                 | 2200                  | ■                                                             | ■                                                            |          |
| 4542           | 26                    | offset                                   | 2500                  | ■                                                             | ■                                                            |          |
| 4543           | 24                    | offset                                   | 2500                  | ■                                                             | ■                                                            | Ⓢ        |
| 4544           | 24                    | offset with hook                         | 1600                  | ■                                                             | ■                                                            |          |
| 4557           | 24                    | offset with hook                         | 1600                  | ■                                                             |                                                              |          |
| 4558           | 40                    | profile for hidden sash                  | 850                   |                                                               |                                                              |          |
| 4568           | 34                    | offset with 2 grooves                    | 1700                  | ■                                                             |                                                              |          |
| 4607           | 46                    | shear-free profile                       | 1100                  | ■                                                             | ■                                                            |          |
| 4616           | 26                    | straight                                 | 2800                  | ■                                                             | ■                                                            |          |
| 4617           | 26                    | straight with screw channel              | 1700                  | ■                                                             | ■                                                            |          |

\* approximate values, which can deviate in individual cases \*\* Dimensions may differ; LI and RE-LI not available in coils

| Article number                                                                           | Insulating depth (mm) | Description of the geometry               | Pieces per stillage * | Foot compatible with aluminium cavity suggestion short hammer | Foot compatible with aluminium cavity suggestion long hammer | Coils ** |
|------------------------------------------------------------------------------------------|-----------------------|-------------------------------------------|-----------------------|---------------------------------------------------------------|--------------------------------------------------------------|----------|
| 4618                                                                                     | 28                    | offset                                    | 2000                  | ■                                                             | ■                                                            |          |
| 4619                                                                                     | 30                    | straight                                  | 2500                  | ■                                                             | ■                                                            |          |
| 4620                                                                                     | 32                    | offset                                    | 1600                  | ■                                                             | ■                                                            |          |
| 4621                                                                                     | 34                    | offset                                    | 1800                  | ■                                                             | ■                                                            |          |
| 4622                                                                                     | 44                    | offset                                    | 1300                  | ■                                                             | ■                                                            |          |
| 4623                                                                                     | 39                    | offset with 3 hollow chambers             | 600                   | ■                                                             | ■                                                            |          |
| 4635                                                                                     | 34                    | offset with groove                        | 1200                  | ■                                                             |                                                              |          |
| 4666                                                                                     | 48                    | offset                                    | 1150                  | ■                                                             | ■                                                            |          |
| 4680    | 45                    | 4 hollow chambers                         | 1100                  | ■                                                             | ■                                                            |          |
| 4682    | 45                    | 4 hollow chambers with 3 hooks and "T"    | 660                   | ■                                                             | ■                                                            |          |
| 4683                                                                                     | 18                    | hollow chamber with wide feet and groove  | 1800                  |                                                               |                                                              |          |
| 4698                                                                                     | 12                    | straight with nose                        | 3500                  | ■                                                             | ■                                                            |          |
| 4700                                                                                     |                       | pressure plate                            | 500                   |                                                               |                                                              |          |
| 4701                                                                                     | 39                    | offset with 2 flags                       | 680                   | ■                                                             | ■                                                            |          |
| 4720                                                                                     | 34                    | offset with 4 hollow chambers and 2 flags | 650                   | ■                                                             |                                                              |          |
| 4735    | 54                    | offset with 2 grooves                     | 920                   | ■                                                             | ■                                                            |          |
| 4736    | 54                    | offset with 4 hollow chambers             | 500                   | ■                                                             | ■                                                            |          |
| 4737    | 37                    | offset with screw channel                 | 1300                  | ■                                                             |                                                              |          |
| 4739    | 41                    | offset                                    | 1450                  | ■                                                             | ■                                                            |          |
| 4740    | 37                    | straight                                  | 2200                  | ■                                                             | ■                                                            | ©        |
| 4777                                                                                     | 18                    | offset with hollow chamber                | 1950                  | ■                                                             |                                                              |          |
| 4786                                                                                     | 39                    | offset with groove and 2 flags            | 950                   | ■                                                             | ■                                                            |          |
| 4788                                                                                     | 32                    | shear-free profile with groove            | 1000                  |                                                               |                                                              |          |
| 4789                                                                                     | 44                    | shear free profile                        | 1150                  | ■                                                             | ■                                                            |          |
| 4804                                                                                     | 28                    | offset with 2 flags                       | 1200                  | ■                                                             | ■                                                            |          |
| 4807                                                                                     | 45                    | offset with 2 flags                       | 950                   | ■                                                             |                                                              |          |
| 4813                                                                                     | 77                    | offset                                    | 650                   | ■                                                             |                                                              |          |
| 4821  | 35.55                 | profile for hidden sash                   | 780                   | ■                                                             |                                                              |          |
| 4830  | 39                    | offset with noses                         | 1600                  | ■                                                             | ■                                                            |          |
| 4831                                                                                     | 30                    | offset with nose                          | 1300                  | ■                                                             | ■                                                            |          |
| 4832                                                                                     | 30                    | offset with 2 "T"                         | 1300                  | ■                                                             | ■                                                            |          |
| 4852                                                                                     | 20                    | offset                                    | 2600                  | ■                                                             |                                                              | ©        |
| 4919  | 24.8                  | offset with hook                          | 1900                  | ■                                                             | ■                                                            |          |
| 4920  | 24.8                  | offset with nose                          | 1600                  | ■                                                             | ■                                                            |          |
| 4921  | 24.8                  | offset with groove                        | 1400                  | ■                                                             | ■                                                            |          |
| 4922  | 24.8                  | straight with nose                        | 1300                  | ■                                                             | ■                                                            |          |
| 4923  | 38                    | offset                                    | 1600                  | ■                                                             | ■                                                            |          |
| 4924  | 42                    | offset                                    | 1450                  | ■                                                             | ■                                                            |          |
| 4966  | 31.8                  | offset with 3 hollow chambers             | 850                   | ■                                                             |                                                              |          |
| 5500                                                                                     | 16                    | offset                                    | 4000                  | ■                                                             | ■                                                            |          |
| 5501                                                                                     | 16                    | offset with hook                          | 2100                  | ■                                                             | ■                                                            |          |
| 5502                                                                                     | 20                    | offset                                    | 3200                  | ■                                                             |                                                              |          |
| 5503                                                                                     | 20                    | offset                                    | 2600                  | ■                                                             |                                                              |          |
| 5504                                                                                     | 20                    | offset with nose                          | 1800                  | ■                                                             |                                                              |          |
| 5505                                                                                     | 20                    | offset with hook                          | 1600                  | ■                                                             |                                                              |          |
| 5506                                                                                     | 22                    | offset                                    | 2500                  | ■                                                             | ■                                                            |          |
| 5507                                                                                     | 22                    | offset                                    | 2500                  | ■                                                             |                                                              |          |
| 5508                                                                                     | 22                    | offset with nose                          | 1500                  | ■                                                             | ■                                                            |          |
| 5509                                                                                     | 23                    | offset                                    | 2500                  | ■                                                             |                                                              |          |
| 5510                                                                                     | 24                    | offset with hollow chamber                | 900                   | ■                                                             | ■                                                            |          |
| 5511                                                                                     | 24                    | offset with hook                          | 1500                  | ■                                                             | ■                                                            |          |
| 5512                                                                                     | 24                    | offset with nose                          | 1250                  | ■                                                             |                                                              |          |

| Article number | Insulating depth (mm) | Description of the geometry               | Pieces per stillage * | Foot compatible with aluminium cavity suggestion short hammer | Foot compatible with aluminium cavity suggestion long hammer | Coils ** |
|----------------|-----------------------|-------------------------------------------|-----------------------|---------------------------------------------------------------|--------------------------------------------------------------|----------|
| 5513           | 24                    | offset with groove                        | 1300                  | ■                                                             |                                                              |          |
| 5514           | 24                    | offset                                    | 2500                  | ■                                                             |                                                              |          |
| 5515           | 24                    | offset with arrow                         | 1250                  | ■                                                             |                                                              |          |
| 5516           | 24                    | offset with hollow chamber                | 1200                  | ■                                                             |                                                              |          |
| 5517           | 24                    | offset with "T"                           | 1600                  | ■                                                             | ■                                                            |          |
| 5518           | 24                    | offset with hook                          | 1600                  | ■                                                             | ■                                                            |          |
| 5519           | 24                    | offset with groove                        | 1250                  | ■                                                             | ■                                                            |          |
| 5520           | 24,8                  | offset                                    | 2200                  | ■                                                             | ■                                                            |          |
| 5521           | 26                    | offset                                    | 2300                  | ■                                                             |                                                              |          |
| 5522           | 27                    | offset                                    | 2300                  | ■                                                             | ■                                                            |          |
| 5523           | 28                    | offset                                    | 2000                  | ■                                                             |                                                              |          |
| 5524           | 28                    | offset with flag                          | 2000                  | ■                                                             | ■                                                            |          |
| 5525           | 28                    | offset with hollow chamber and flag       | 760                   | ■                                                             | ■                                                            |          |
| 5526           | 28                    | offset with 2 hollow chambers and flag    | 720                   | ■                                                             | ■                                                            |          |
| 5527           | 28                    | offset with groove and flag               | 1500                  | ■                                                             | ■                                                            |          |
| 5528           | 28                    | offset                                    | 2000                  | ■                                                             | ■                                                            |          |
| 5529           | 28                    | offset with groove                        | 1300                  | ■                                                             | ■                                                            |          |
| 5530           | 28                    | 2 hollow chambers                         | 1800                  | ■                                                             | ■                                                            |          |
| 5531           | 28                    | offset with 2 hollow chambers             | 1100                  | ■                                                             | ■                                                            |          |
| 5532           | 29                    | offset with 2 hollow chambers             | 1050                  | ■                                                             |                                                              |          |
| 5533           | 30                    | offset                                    | 2000                  | ■                                                             |                                                              |          |
| 5534           | 32                    | offset                                    | 1600                  | ■                                                             | ■                                                            |          |
| 5535           | 32                    | offset with 3 hollow chambers             | 750                   | ■                                                             | ■                                                            |          |
| 5536           | 32                    | offset                                    | 1600                  | ■                                                             |                                                              |          |
| 5537           | 32                    | offset with 2 hollow chambers             | 900                   | ■                                                             |                                                              |          |
| 5538           | 32                    | straight with screw channel               | 1500                  | ■                                                             | ■                                                            |          |
| 5539           | 17                    | offset                                    | 2800                  | ■                                                             |                                                              |          |
| 5540           | 22                    | straight                                  | 2600                  | ■                                                             | ■                                                            |          |
| 5541           | 34                    | straight                                  | 2000                  | ■                                                             | ■                                                            |          |
| 5542           | 34                    | straight                                  | 2000                  | ■                                                             | ■                                                            |          |
| 5543           | 34                    | offset with flag                          | 1650                  | ■                                                             | ■                                                            |          |
| 5544           | 34                    | offset with 2 hollow chambers             | 750                   | ■                                                             | ■                                                            |          |
| 5545           | 34                    | offset with 2 hollow chambers and 2 flags | 650                   | ■                                                             |                                                              |          |
| 5546           | 34                    | offset with groove and flag               | 1200                  | ■                                                             | ■                                                            |          |
| 5547           | 34                    | offset with 2 "T" and 2 flags             | 770                   | ■                                                             | ■                                                            |          |
| 5548           | 34                    | offset with groove and 2 flags            | 1520                  | ■                                                             | ■                                                            |          |
| 5549           | 35                    | straight                                  | 2100                  | ■                                                             | ■                                                            |          |
| 5550           | 35                    | offset                                    | 1700                  | ■                                                             |                                                              |          |
| 5551           | 36                    | offset                                    | 1600                  | ■                                                             |                                                              |          |
| 5552           | 36                    | offset                                    | 1600                  | ■                                                             | ■                                                            |          |
| 5553           | 36                    | staight                                   | 2200                  | ■                                                             | ■                                                            |          |
| 5554           | 38                    | offset with flag                          | 1500                  | ■                                                             | ■                                                            |          |
| 5555           | 39                    | offset with flag                          | 1500                  | ■                                                             | ■                                                            |          |
| 5556           | 39                    | 4 hollow chambers                         | 1050                  | ■                                                             | ■                                                            |          |
| 5557           | 39                    | offset with 2 hollow chambers             | 750                   | ■                                                             |                                                              |          |
| 5558           | 39                    | offset with 3 hollow chambers and flag    | 480                   | ■                                                             | ■                                                            |          |
| 5559           | 39                    | offset with 3 hollow chambers and 2 flags | 550                   | ■                                                             | ■                                                            |          |
| 5560           | 39                    | offset with 2 "T"                         | 900                   | ■                                                             | ■                                                            |          |
| 5561           | 39                    | offset with groove and flag               | 850                   | ■                                                             | ■                                                            |          |
| 5562           | 39                    | 4 hollow chambers with groove             | 1400                  | ■                                                             | ■                                                            |          |
| 5563           | 39                    | 4 hollow chambers with groove             | 850                   | ■                                                             | ■                                                            |          |
| 5564           | 39                    | 4 hollow chambers with groove             | 1050                  | ■                                                             | ■                                                            |          |

\* approximate values, which can deviate in individual cases \*\* Dimensions may differ; LI and RE-LI not available in coils

| Article number | Insulating depth (mm)                                                                  | Description of the geometry   | Pieces per stillage * | Foot compatible with aluminium cavity suggestion short hammer | Foot compatible with aluminium cavity suggestion long hammer | Coils ** |
|----------------|----------------------------------------------------------------------------------------|-------------------------------|-----------------------|---------------------------------------------------------------|--------------------------------------------------------------|----------|
| 5565           | 39                                                                                     | 4 hollow chambers             | 1400                  | ■                                                             | ■                                                            |          |
| 5566           | 39                                                                                     | 4 hollow chambers with groove | 1050                  | ■                                                             | ■                                                            |          |
| 5567           | 40                                                                                     | offset                        | 1500                  | ■                                                             | ■                                                            |          |
| 5568           | 40                                                                                     | offset                        | 1500                  | ■                                                             | ■                                                            |          |
| 5569           | 40                                                                                     | offset with 2 flags           | 950                   | ■                                                             | ■                                                            |          |
| 5570           | 42                                                                                     | offset with flag              | 1350                  | ■                                                             | ■                                                            |          |
| 5571           | 42                                                                                     | offset with 3 hollow chambers | 750                   | ■                                                             | ■                                                            |          |
| 5572           | 42                                                                                     | offset with 3 hollow chambers | 670                   | ■                                                             |                                                              |          |
| 5573           | 42                                                                                     | offset with 3 hollow chambers | 600                   | ■                                                             | ■                                                            |          |
| 5574           | 42                                                                                     | offset with 2 "T"             | 950                   | ■                                                             | ■                                                            |          |
| 5575           | 42                                                                                     | offset with 2 "T"             | 950                   | ■                                                             | ■                                                            |          |
| 5576           | 42                                                                                     | offset                        | 1450                  | ■                                                             | ■                                                            |          |
| 5577           | 44                                                                                     | offset with groove            | 900                   | ■                                                             | ■                                                            |          |
| 5578           | 44                                                                                     | offset with 4 hollow chambers | 700                   | ■                                                             | ■                                                            |          |
| 5579           | 45                                                                                     | offset                        | 1300                  | ■                                                             | ■                                                            |          |
| 5580           | 46                                                                                     | offset                        | 1200                  | ■                                                             | ■                                                            |          |
| 5581           | 46                                                                                     | offset with 2 hooks           | 850                   | ■                                                             | ■                                                            |          |
| 5582           | 50                                                                                     | 5 hollow chambers             | 1100                  | ■                                                             | ■                                                            |          |
| 5583           | 54                                                                                     | offset                        | 1150                  | ■                                                             | ■                                                            |          |
| 5584           | 54                                                                                     | offset with 2 grooves         | 650                   | ■                                                             | ■                                                            |          |
| 5585           |  24   | offset with "T"               | 1800                  | ■                                                             | ■                                                            |          |
| 5586           |  24   | offset with hook              | 1900                  | ■                                                             | ■                                                            |          |
| 5587           |  34  | offset with 2 "T"             | 1200                  | ■                                                             | ■                                                            |          |
| 5588           |  58 | offset                        | 1130                  | ■                                                             | ■                                                            |          |
| 5589           |  60 | straight                      | 1500                  | ■                                                             | ■                                                            |          |

## Additional information

Accompanying product brochures, recommendations and datasheets are available on request or from the download area on our website at any time [insulbar.com](https://www.insulbar.com).

### Product brochures

- insulbar with Low-E film
- Shear-free insulating profile from insulbar
- insulbar ESP
- insulbar RE
- insulbar LI
- insulbar RE-LI
- insulbar with ESPOC

### Recommendations

- Transport, storage, delivery form
- Coating of insulbar from polyamide GF
- Anodising of insulbar from polyamide GF
- Processing of shear-free profiles

### Datasheets

- insulbar REG made from TECATHERM 66 GF or 66 GF40
- insulbar RE made from TECATHERM 66 GF RE
- insulbar LI made from TECATHERM 66 GF
- insulbar RE-LI made from TECATHERM 66 GF RE
- insulbar ESP made from TECATHERM 66 ESP
- Coex wire
- Low-E film 12 ε 3
- Cover film 8.4 T 200
- Cover film 5.5 T 200
- Surface protection film
- insulbar with ESPOC, preliminary

Download area



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