



Edition 1-2025

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

Ensinger 

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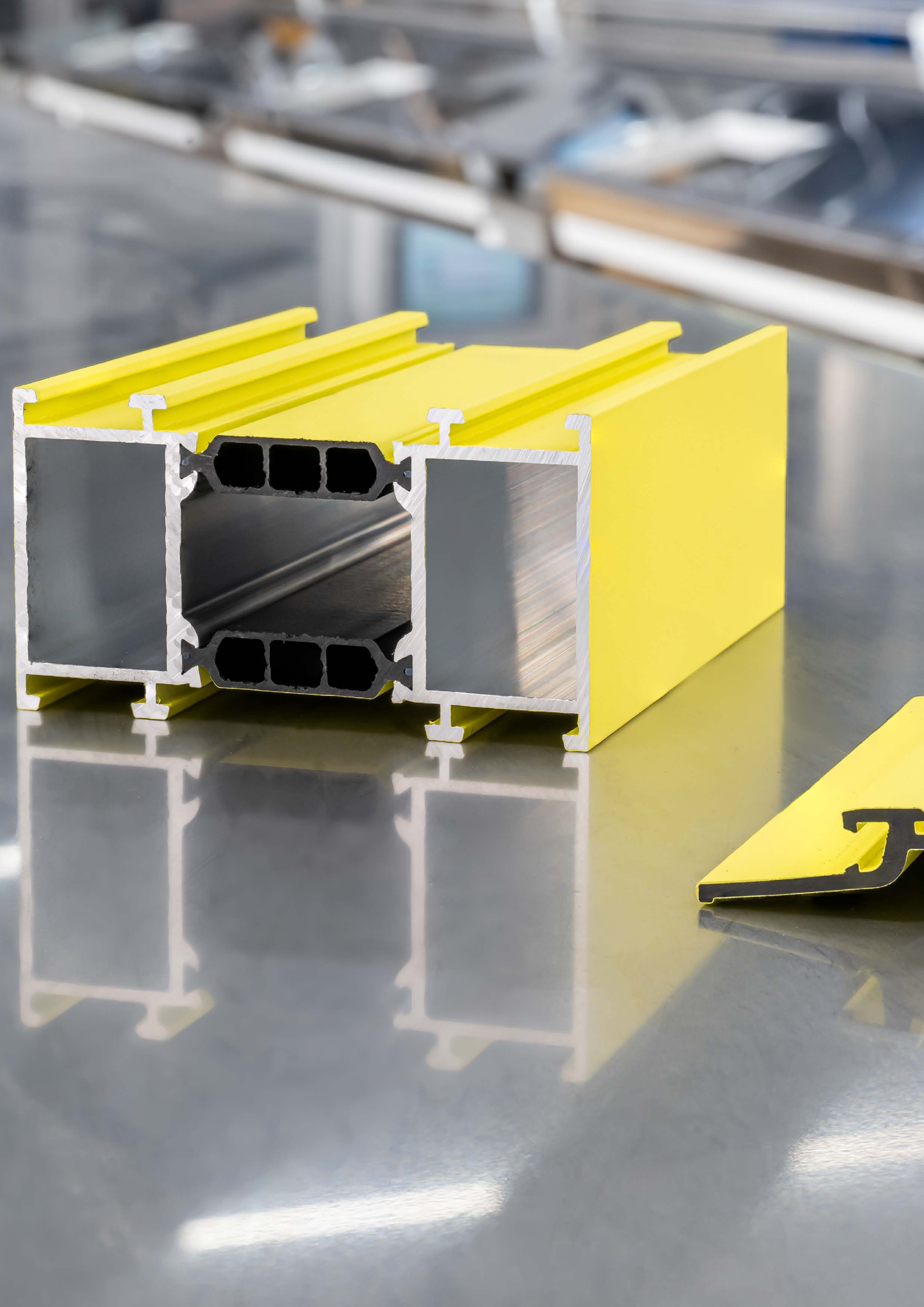
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Innovation

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?

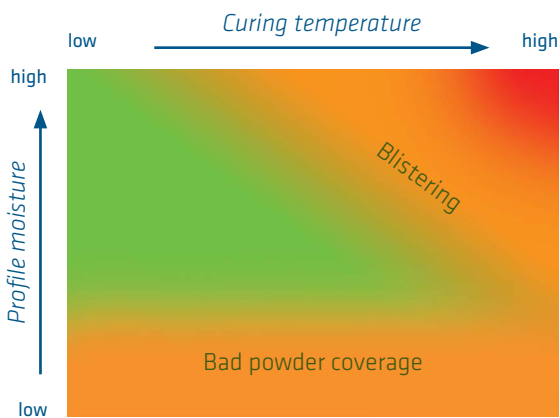
The surface is made electrically conductive using an innovative process. The electrostatically charged powder particles are attracted to the earthed surface of the insulating profile in a similar way to the attraction of conductive metals. This means that both aluminium-plastic assembled profiles and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



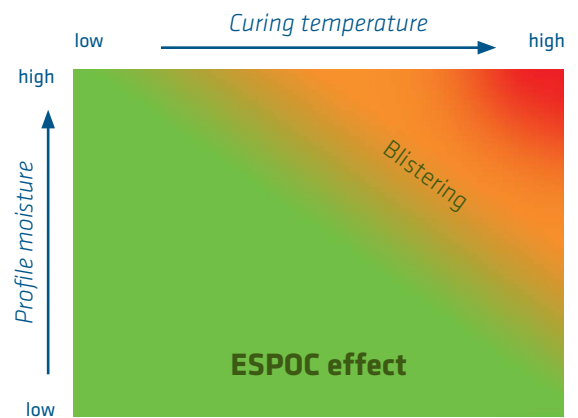
Watch the ESPOC video



Without ESPOC coating



With ESPOC effect



■ Poor coating results
■ Best results

Advantages at a glance

Optics

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

Flexibility

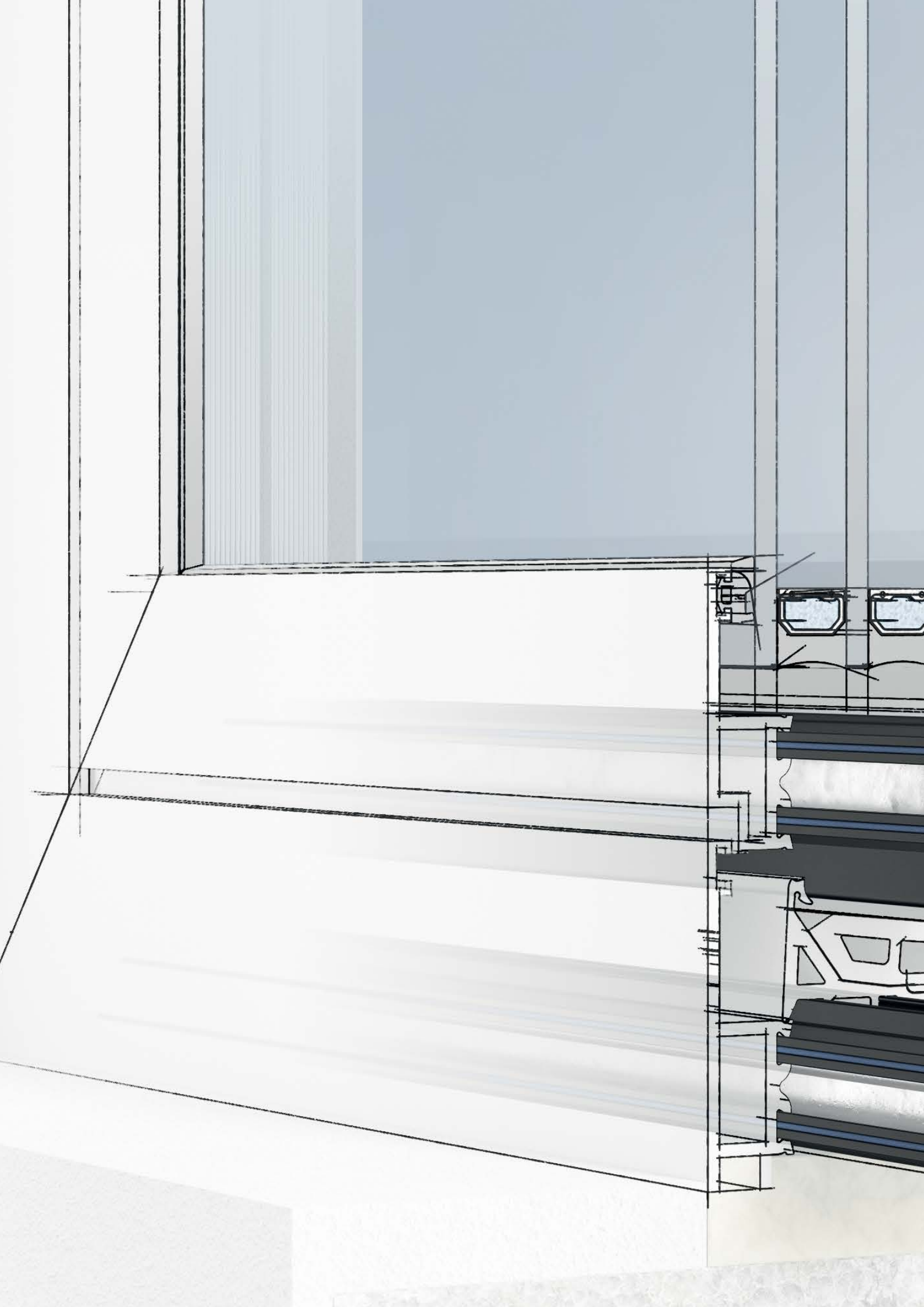
- Applicable to existing or new standard and customised profiles
- Can be applied to many insulbar materials
- Available as an option

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

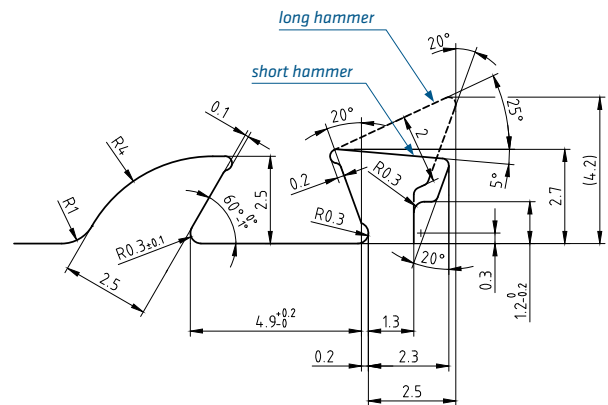
Further advantages

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

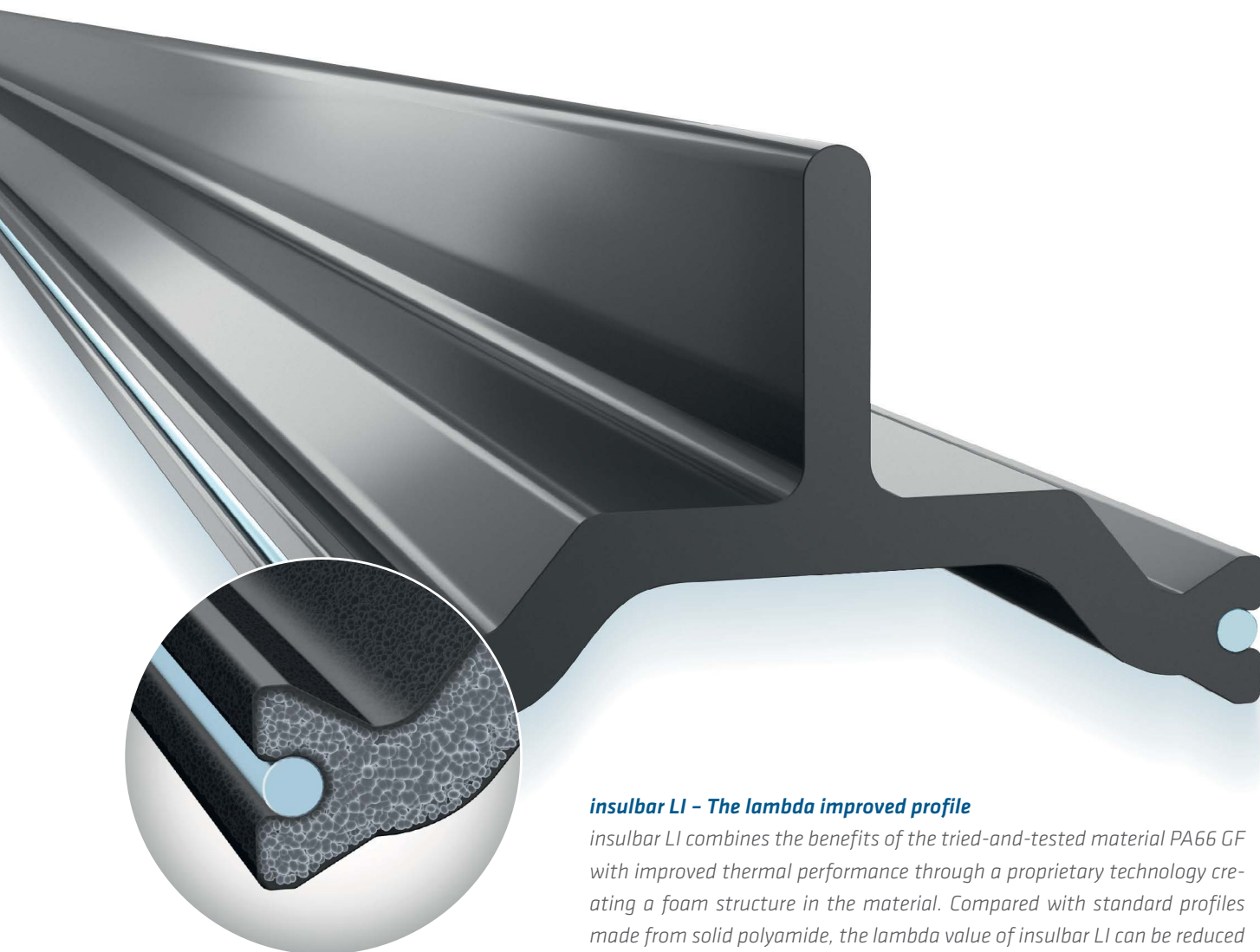


The cavity of the aluminium profile forms the connection to the insulbar thermal insulating bar. Its correct configuration ensures a high shear and transverse tensile strength, stiffness, and elasticity constant of the assembly.

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.



Roll-Up Profiles



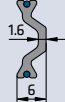
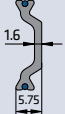
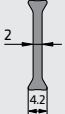
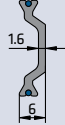
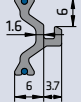
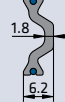
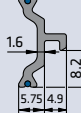
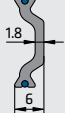
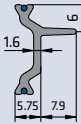
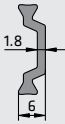
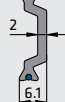
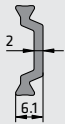
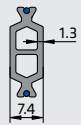
insulbar LI – The lambda improved profile

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.

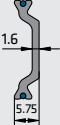
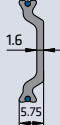
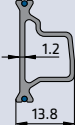
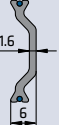
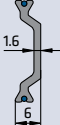
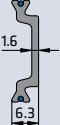
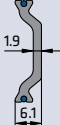
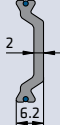
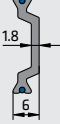
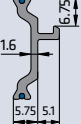
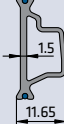
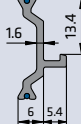
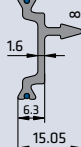
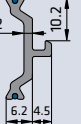
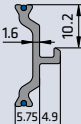
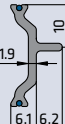
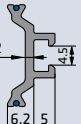
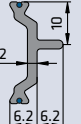
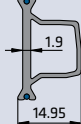
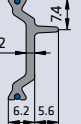
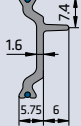
insulbar RE-LI – The perfect solution for environmental situations

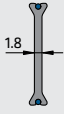
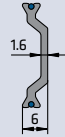
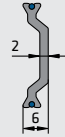
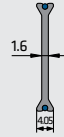
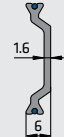
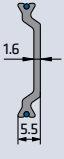
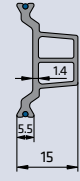
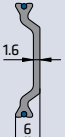
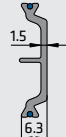
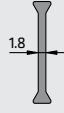
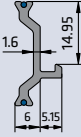
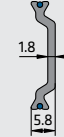
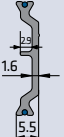
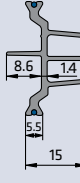
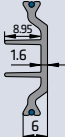
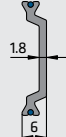
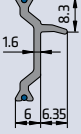
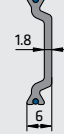
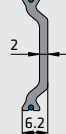
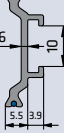
The insulating bar combines the low thermal conductivity of foamed polyamide 66 GF with the ecological advantages of recycled material.

*Foamed Profiles
insulbar LI & insulbar RE-LI*

12 mm	16 mm			17 mm	18 mm	20 mm		22 mm
2192 	5500 	1928 	2423 	5539 	2379 	5502 	4245 	5506 
	5501 	1945 				5505 	2078 	5508 
						5504 	4852 	
							3062 	
							5503 	
							3546 	

Foamed profiles

22 mm	23 mm	24 mm						
5540  1.8	5509  1.6 5.75	4543  1.6 5.75	3893  1.2 13.8	3257  1.6 6	3023  1.6 6	5514  1.6 6.3	2206  1.9 6.1	1393  2 6.2
5507  1.8 6		5518  1.6 6.75 5.75 5.1	5516  1.5 11.65	3258  1.6 8 6 9	5511  1.6 13.4 6 5.4	5515  1.6 8 6.3 15.05	2279  1.9 6.1 5.85	3622  2 10.2 6.2 4.5
		4544  1.6 10.2 5.75 4.9			3285  1.6 12 6 9		2432  1.9 10 6.1 6.2	5513  2 4.5 6.2 5
		5517  1.6 10.35 5.75 4.55			3022  1.6 7.1 6 7.5		2331  1.9 9 6.1	1392  2 10 6.2 6.2
		5519  1.6 6.7 5.75 5.1			5510  1.9 14.95			5512  2 7.4 6.2 5.6
		4388  1.6 7.4 5.75 6						

24 mm	24.8 mm		26 mm	27 mm	28 mm			
2884 	5520 	4214 	4616 	5522 	5528 	5531 	4618 	4056 
3371 	4216 		4542 		5524 	5526 	4804 	5523 
	4215 		5521 		5530 		4296 	1669 
			4617 		5529 		4298 	
					5527 			
					5525 			

Foamed profiles

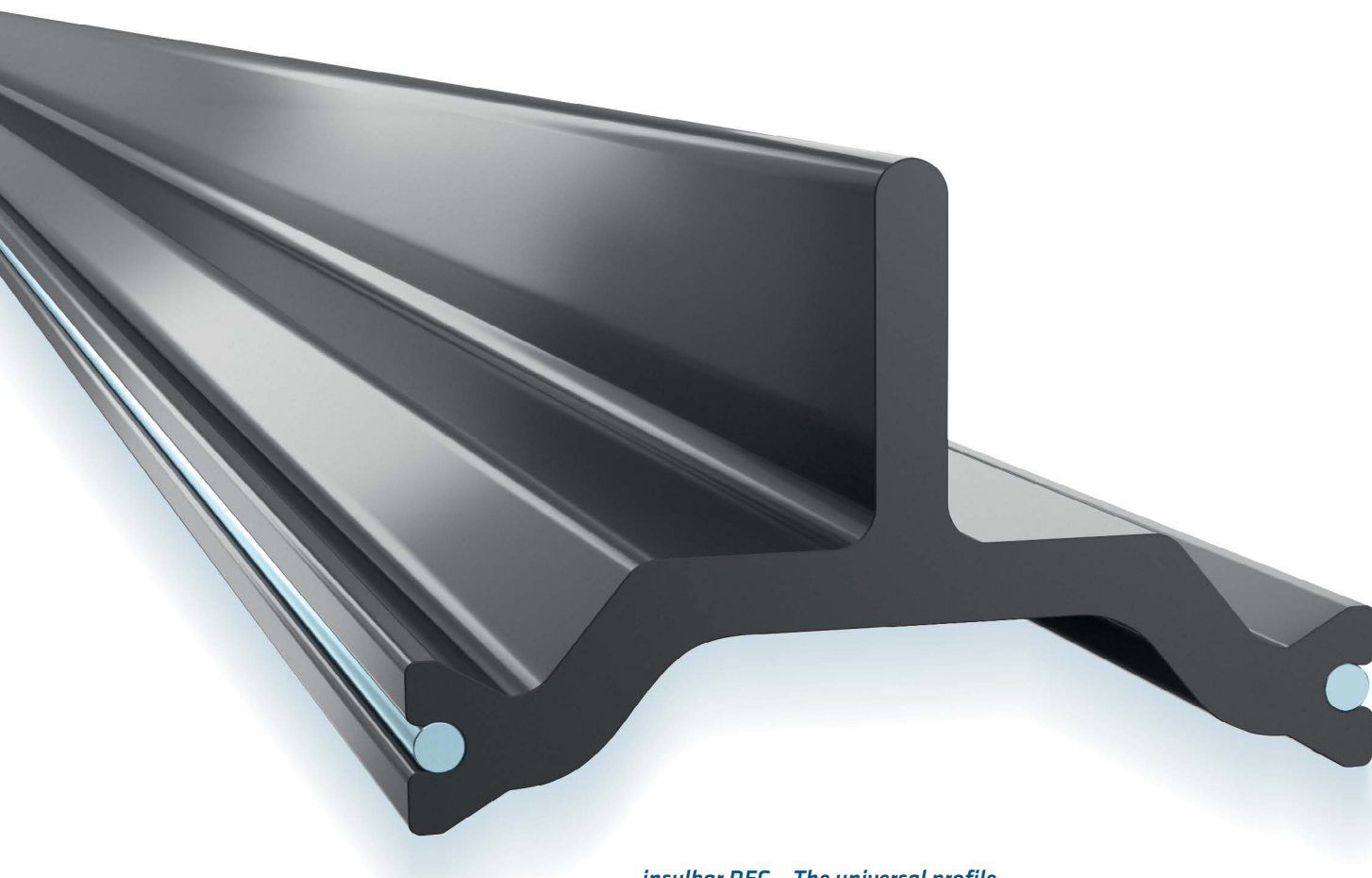
29 mm		30 mm			32 mm			
3555	4178	4370	2080	4619	4467	4620	5534	3957
5532		4367	4832	5533	4468	5537	5535	5536
			4831		4469			5538

33 mm	34 mm						35 mm	36 mm
4474 	3829 	2805 	3172 	3124 	5541 	4635 	5549 	5553
	5543 	5548 	5545 	4720 	5542 	3379 	5550 	5552
	2807 	3623 			4621 	5544 		5551
	3986 	5547 			3935 			
	3377 	3826 			3123 			
	5546 	3282 			1861 			

Foamed profiles

37 mm	38 mm	39 mm				40 mm		42 mm
4325 	3824 	3827 	5561 	5562 	3398 	5567 	3353 	5576
	5554 	5555 	4786 	5566 	5559 	5568 	4518 	5570
		3399 	3400 	5563 		5569 	3354 	5574
		4701 	5560 	5557 				5575
		5565 	5556 	4623 				5571
		3984 	5564 	5558 				5572

42 mm	43 mm	44 mm	45 mm	46 mm	48 mm	50 mm	54 mm
2655	4458	4622	5579	5580	4666	4062	5583
4503		5577	4807	5581		5582	5584
5573		5578					



insulbar REG – The universal profile

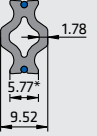
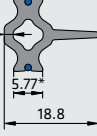
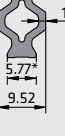
Our classic roll-up profiles enable the thermal break of all commonly used metal systems. Depending on the window type and area of application, all requirements for insulation are optimally fulfilled.

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.

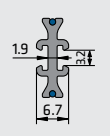
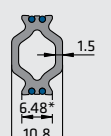
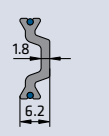
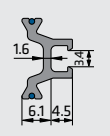
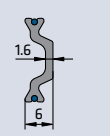
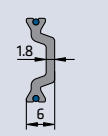
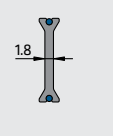
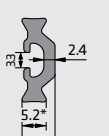
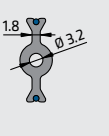
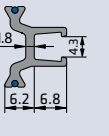
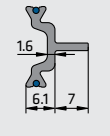
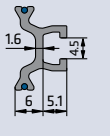
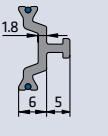
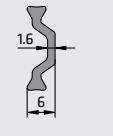
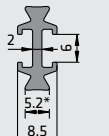
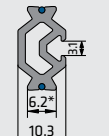
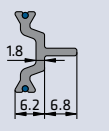
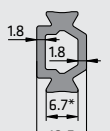
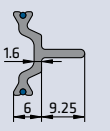
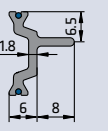
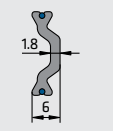
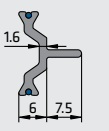
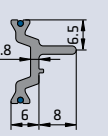
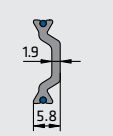
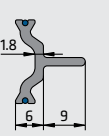
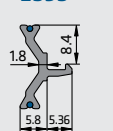
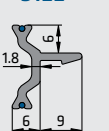
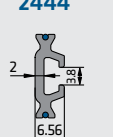
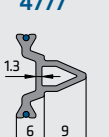
On request, our insulating bars are also available in other materials with higher rigidity or better coatability.

*Classic Profiles
insulbar REG & insulbar RE*

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

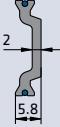
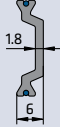
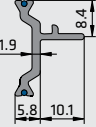
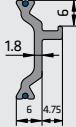
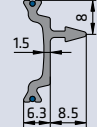
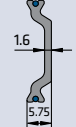
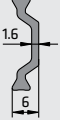
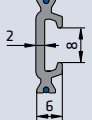
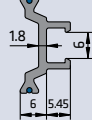
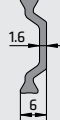
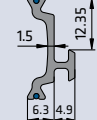
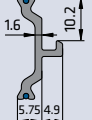
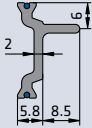
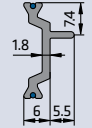
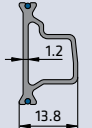
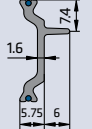
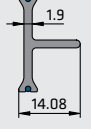
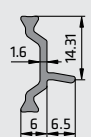
Classic profiles

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

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

Classic profiles

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

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

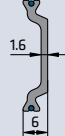
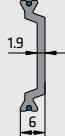
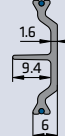
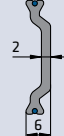
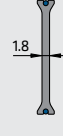
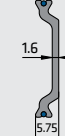
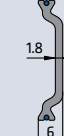
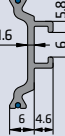
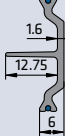
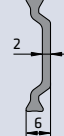
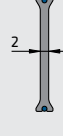
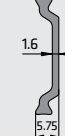
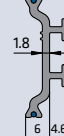
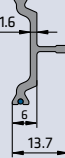
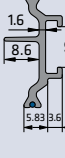
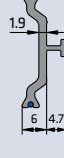
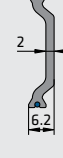
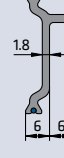
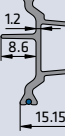
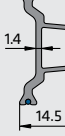
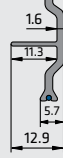
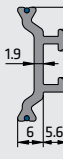
Classic profiles

24 mm

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

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

Classic profiles

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

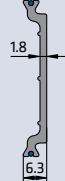
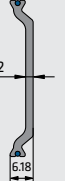
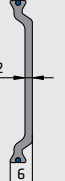
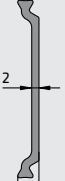
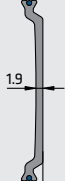
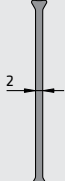
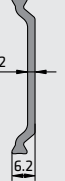
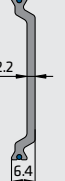
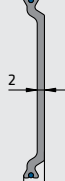
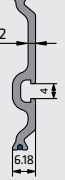
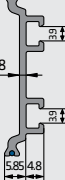
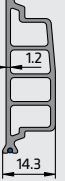
30 mm		31.8 mm	31.9 mm		32 mm			34 mm
3432	3419	3212	0724	2522	2638	3057	3444	3829
1729	2383	3760	3723	0774	3701	2728	2727	2807 2807
3790			0725	2523	2246	3025	2764	3316
4262			0726	1651	2923	2361		3986
2740 2740			0758	0773	2631	2649		3746
3606					3889	2911		4327

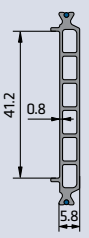
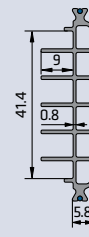
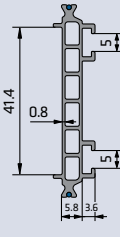
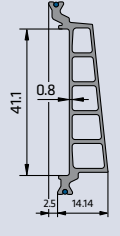
Classic profiles

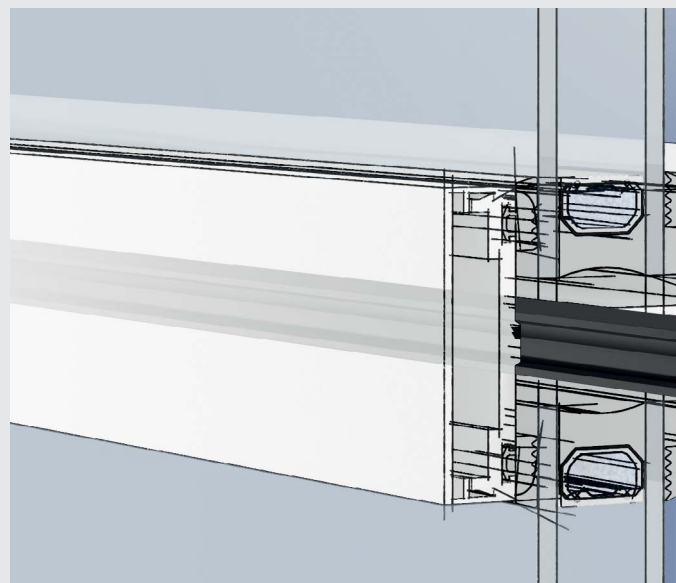
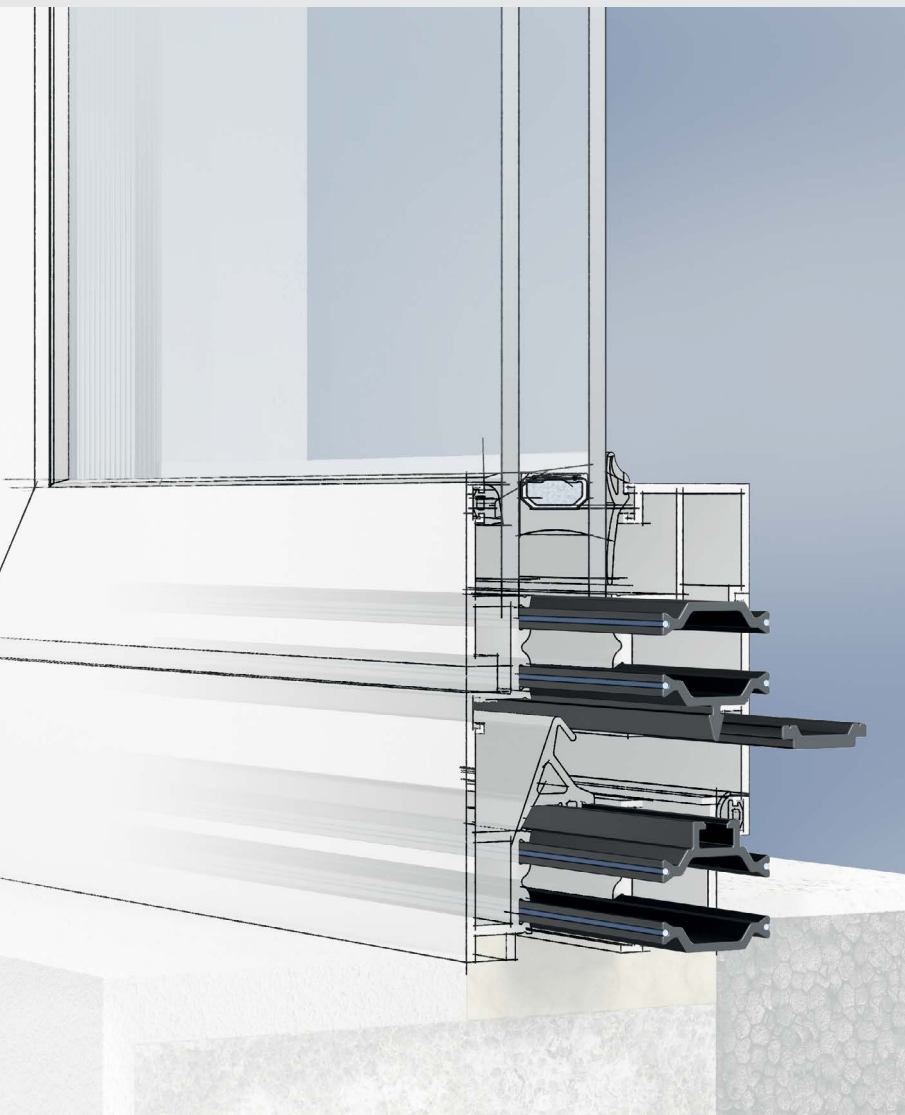
34 mm							35 mm	
3377 	3826 	2765 	3123 	1885 1885 	3655 	4275 	3391 	3281
2805 	3282 	2857 	3124 	3935 	3379 		3351 	4396
3315 	3172 3172 	2856 	3125 	3012 	4402 		3352 	3279
3825 		2855 		1861 	4635 		3392 	2427
3623 				3848 	4347 		3936 	3229
3620 				3660 	1650 		3350 	3010

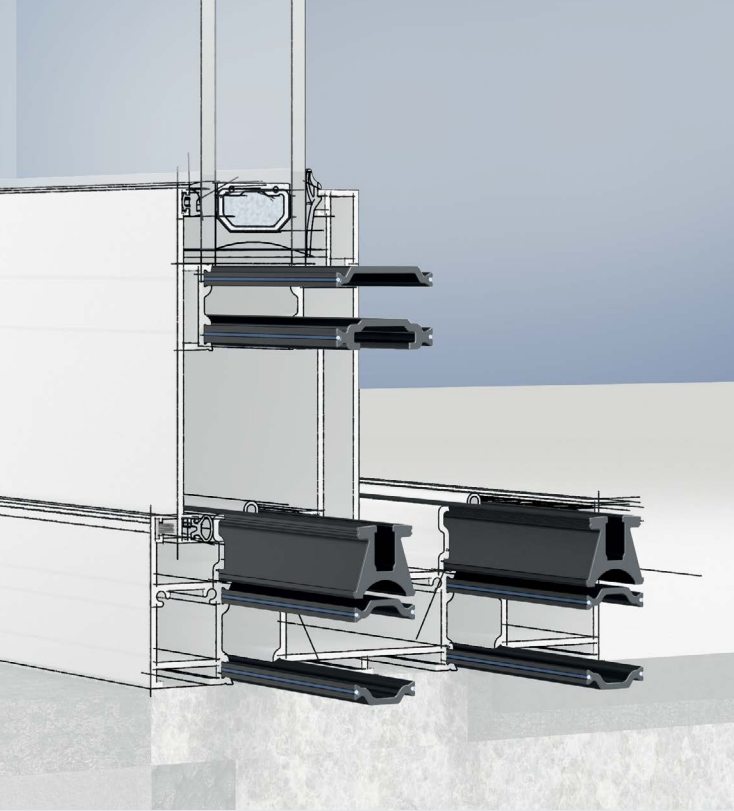
35 mm	35.3 mm	36 mm	37 mm	38 mm	39 mm			40 mm
1986 1986 	4320 	1814 	4365 	4277 	3827 	3984 	2429 	3353
3280 	4318 	3813 		3824 	4192 	4786 	3398 	3354
3146 	4319 	1958 		4075 	3399 	3400 	3640 	3812
				4276 	3864 	3636 	3639 	3307
					4701 	3638 		
					3637 	3828 		

Classic profiles

41 mm	42 mm		44 mm	45 mm	46 mm	49 mm	50 mm	52 mm
2636 	3272 	2655 	2647 	4680 	3641 	2969 	3311 	4461 
	3273 	4202 	2275 	4682 		3068 	4062 	
	4022 	2656 	4348 				3310 	
	3274 		4349 					

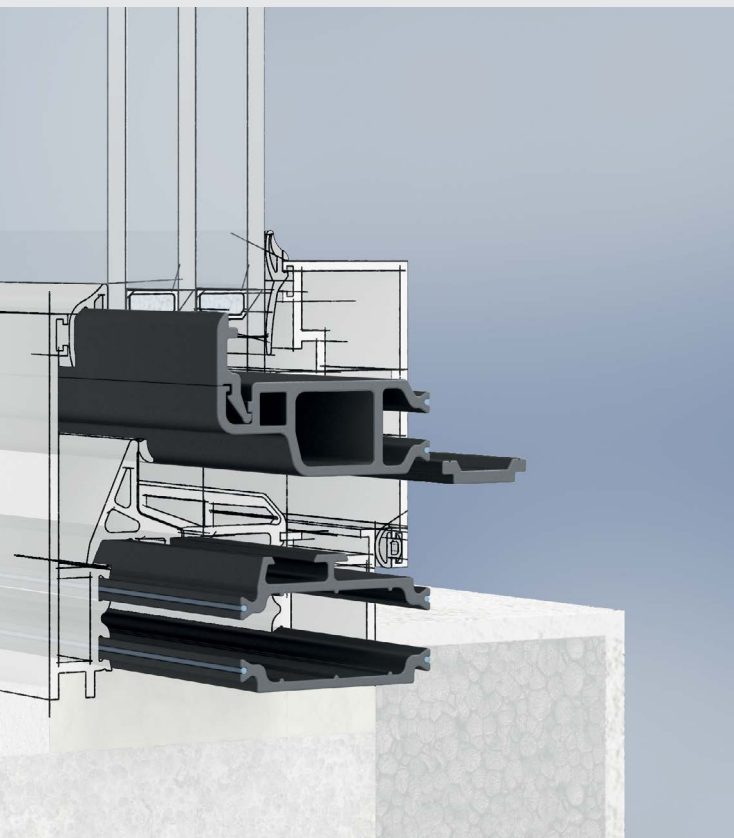
54 mm	77 mm
3339 	4813 
3338 	
3277 	
3278 	



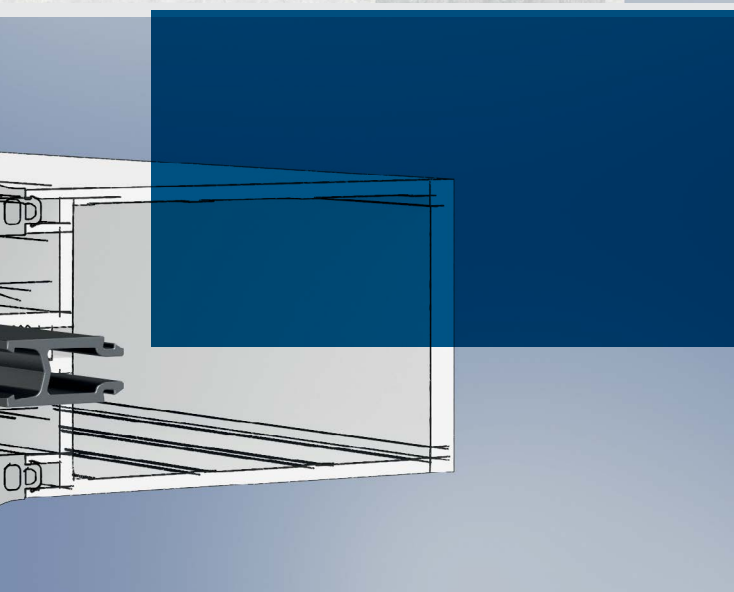


Our special profiles offer a wide range of solutions for doors, windows, sliding systems and facades. They impress with optimal thermal separation, profile properties adapted to the application, efficient processing and the highest precision.

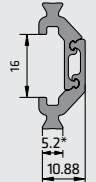
On request, the special profiles are also available in other materials with higher stiffness or better coatability, depending on the application and geometry.



Special Profiles

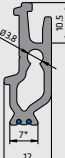
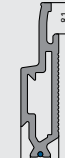


Shear-free profiles

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

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

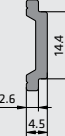
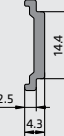
Profiles for hidden sash

31.5 mm 2455 	36.5 mm 4430 	40 mm 4558 	43.5 mm 3966 	47.05 mm 3319 
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Glazing bead

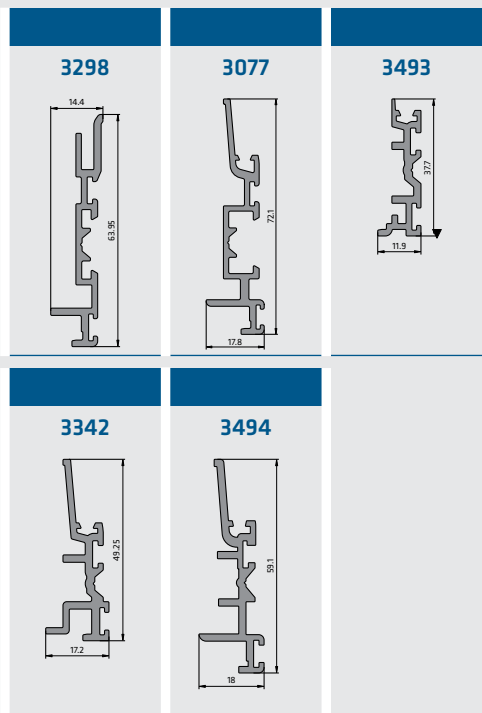
13.3 mm 3320 
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Bolt operating profiles

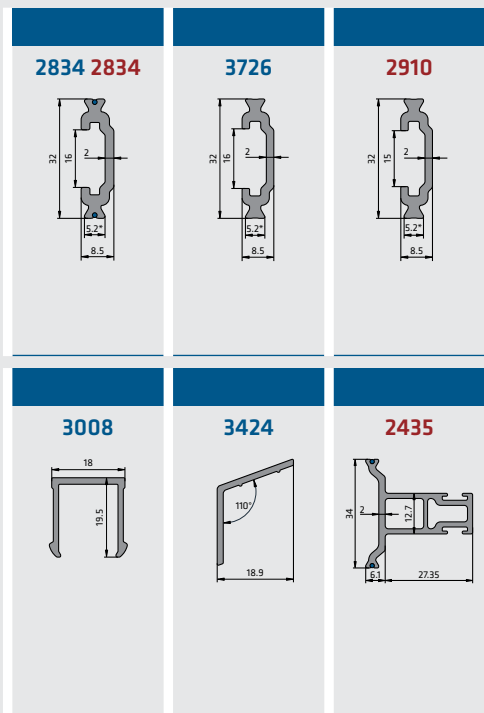
17.7 mm 3778 	19.5 mm 3266 	3582 	3668 	19.7 mm 1840 
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Sliding systems

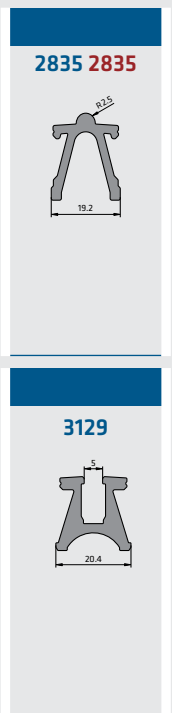
Chicanes



Supplementary profiles

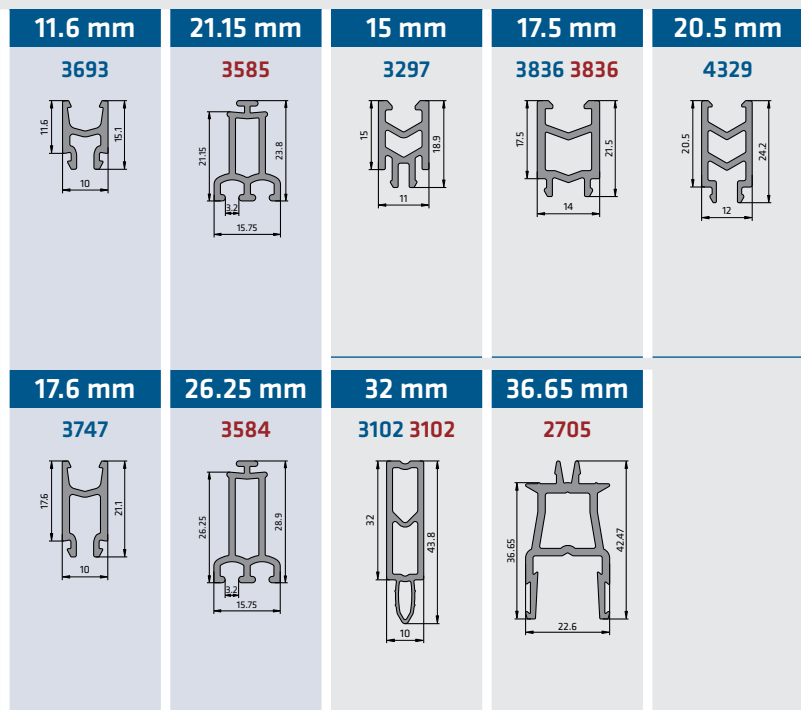


Runner rails



Profiles for facades

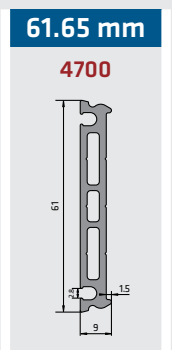
Spacers



Glass edge profiles



Pressure plate



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 wih flag	800	■	■	
3798	28	offset wih flag	1100	■	■	
3804	21	offset	2800	■	■	☉

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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	■		☉
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	■		
4318	35.3	3 hollow chambers with hook and "T"	940	■		
4319	35.3	offset with 3 hollow chambers	850	■		
4320	35.3	3 hollow chambers	1500	■		
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			
4607	46	shear-free profile	1100	■	■	
4616	26	straight	2800	■	■	

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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 **
4617	26	straight with screw channel	1700	■	■	
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	■	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	■		
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	■		
4831	■	offset with nose	1300	■	■	
4832	■	offset with 2 "T"	1300	■	■	
4852	■	offset	2600	■		Ⓢ
5500	■	offset	4000	■	■	
5501	■	offset with hook	2100	■	■	
5502	■	offset	3200	■		
5503	■	offset	2600	■		
5504	■	offset with nose	1800	■		
5505	■	offset with hook	1600	■		
5506	■	offset	2500	■	■	
5507	■	offset	2500	■		
5508	■	offset with nose	1500	■	■	
5509	■	offset	2500	■		
5510	■	offset with hollow chamber	900	■	■	
5511	■	offset with hook	1500	■	■	
5512	■	offset with nose	1250	■		
5513	■	offset with groove	1300	■		
5514	■	offset	2500	■		
5515	■	offset with arrow	1250	■		
5516	■	offset with hollow chamber	1200	■		
5517	■	offset with "T"	1600	■	■	
5518	■	offset with hook	1600	■	■	
5519	■	offset with groove	1250	■	■	
5520	■	offset	2200	■	■	
5521	■	offset	2300	■		
5522	■	offset	2300	■	■	
5523	■	offset	2000	■		
5524	■	offset with flag	2000	■	■	
5525	■	offset with hollow chamber and flag	760	■	■	

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 **
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 hook, "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 straight	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	■	■	
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	■	■	

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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 **
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	■	■	

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.

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

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