



Ensinger GmbH

Wilfried Ensinger Str. 1, Cham, Germany

has successfully achieved
C2C Certified® Material Health Silver

for the product(s) under the name:

insulbar® profiles (REG, LI, RE, RE-LI), Co-Ex sealing wire & ESPOC treatment

Certification Number

11853

Standard Version

5.0

Achievement Level

Silver

Effective Date

11 June 2025

Expiration Date

01 July 2028

Lead Assessment Body

EPEA GmbH - Part of Drees & Sommer

Products Covered

insulbar® RE made of TECATHERM® 66 GF RE; insulbar® RE-LI made of TECATHERM® 66 GF RE; insulbar® REG made of TECATHERM® 66 GF (PA66GF25); insulbar® LI made of TECATHERM® 66 GF (PA66GF25); insulbar® REG made of TECATHERM® 66 GF40 (PA66GF40); ESPOC surface-treated versions of all insulbar® profiles; Co-ex sealing wire for insulbar® profiles

Covers the insulbar® insulating profiles produced by Ensinger GmbH, Germany and sold in Europe, Middle East, Africa and the USA

Elwyn Grainger-Jones
Executive Director

Cradle to Cradle Products Innovation Institute

Phases and Processes considered in the Chemical Toxicity Assessment

Manufacturing; Professional Use; Use; Intended end of use: recycling; Unintended end of use: landfilling, incineration, uncontrolled burning, release to the environment

PRODUCT OPTIMIZATION SUMMARY

- Compliant with Leading Chemical Regulations
- Organohalogen substances of special concern and functionally-related non-halogenated classes of equivalent concern are below allowable thresholds (exemptions apply)
- No exposure to EU CLP Category 1 & 2 Carcinogens, Mutagens and Reproductive toxicants or Substances of Very High Concern; Carbon-bonded halogens are <1% of each material (exemptions apply)
- VOC emissions testing not applicable
- VOC content requirements not applicable
- Product is optimized for material health (no grey or x-assessed chemicals)
- Process chemicals have been identified and none are grey or x-assessed
- Actions taken to reduce and eliminate emissions of hazardous chemicals in the product's supply chain

PERCENTAGE ASSESSED

97.9-100%

Method:
chemical substances by weight

Inventory threshold for chemicals in each material = 100 ppm

ASSESSMENT RATINGS



A/a: 0-0.1%



B/b: 1.8-71.7%



C/c: 27.5-43.5%



X/x: 0-0.2%



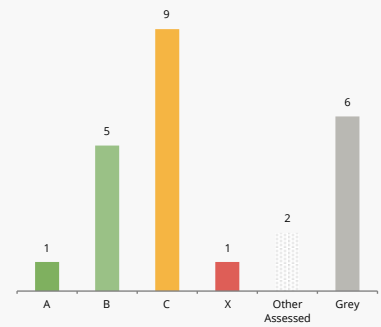
Other Assessed:
0-68.5%



Grey: 0-2.1%

% CHEMICAL SUBSTANCES

PRODUCT OPTIMIZATION



24 CHEMICAL SUBSTANCES

Note: Other assessed includes recycled content that has passed the required analytical tests, Externally Managed Components (EMCs) and/or C2C Certified inputs.

See the Cradle to Cradle Certified Product Registry at www.c2ccertified.org for additional details. Use of the certification marks is subject to the terms and conditions of the C2CPil Certification Agreement and Trademark Use Guidelines.

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