

Press Release

More profile than anybody else:

Ensinger rounds off its range of insulating bars

Thanks to the new insulbar LI made from foamed polyamide, Ensinger is currently offering the largest range of products for thermal separation

At the leading international trade fair BAU, plastics specialist Ensinger is presenting a new product for the thermal separation of metal components of windows, doors and façades: insulbar LI (lambda-improved). The profile is produced from foamed, glass fibre reinforced polyamide (PA 66 GF). Compared with insulating profiles made from solid polyamide, the lambda value of insulbar LI can be reduced to as little as 0.21 W/(m·K).

“Ensinger is now the only supplier worldwide offering all materials for the manufacture of insulating bars from a single source: solid and foamed polyamide, foamed polymer blend, as well as recycled polyamide for further improved sustainability”, explains Matthias Rink, who is in charge of insulbar Sales at Ensinger.

Full-range supplier for improved thermal insulation

With the lower lambda value, the lower density of the profile means that the thermal separation of aluminium profiles – particularly in the middle insulating segment – can be noticeably improved. The insulating bar thereby permits a reduced installation depth while retaining the same U_f value, or alternatively an improved U_f value with the same installation depth.

Thanks to a special production technique, the profile skin in insulbar LI bars from foamed PA remains unbroken. The visual appearance, quality and processing are comparable with the standard insulating profiles. They are produced with narrow tolerances, and a Coex wire can be incorporated on request.

Ensinger is exhibiting:

Bau

14-19 January 2019
Munich, Germany
Hall B1, Stand 430

Made Expo

13-16 March 2019
Milan, Italy

Batimat

4-8 November 2019
Paris, France
Stand 5A-L77

Depending on the original system, a switch to insulbar LI makes it possible to reduce the U_f values by around $0.1 \text{ W/m}^2\text{K}$. Existing window systems can therefore easily be thermally improved through a switch to insulbar LI and/or be offered in additional variants with different U_f values – without further system or process changes.

The right profile for every requirement

In the High Efficiency category at Ensinger, insulbar LO (lambda-optimised, $0.18 \text{ W/m}\cdot\text{K}$), produced from a foamed polymer blend, and insulbar LEF from PA 66 with heat-reflective Low-E film, complement the portfolio. insulbar RE made from 100% recycled polyamide guarantees maximum sustainability. In addition, Ensinger offers flame-retardant, shear-free, highly rigid, electrostatically optimised and self-lubricating insulating bars for particular demands when it comes to application and processing.

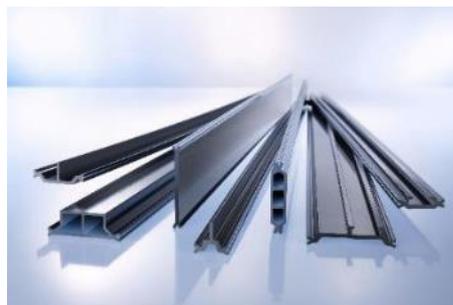
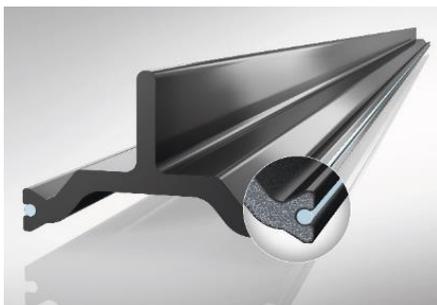
All profiles satisfy the requirements of DIN EN 14024, are suitable for powder coating and for anodising and are impressive thanks to their high efficiency and long service life.

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Photos:

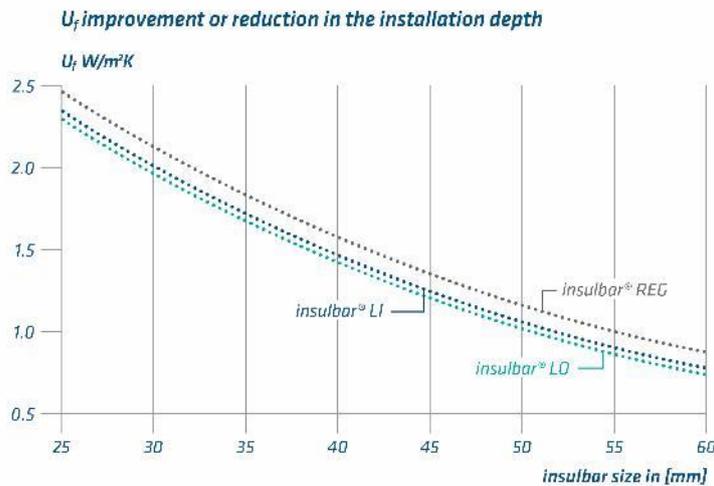


Picture 1: With insulbar LI (lambda-improved), plastics specialist Ensinger is complementing its portfolio and thereby offering the biggest range of insulating bars for the thermal separation of metal components in windows, doors and façades.



Pictures 2 and 3: Smooth shell, foamed core: The fine-pored structure in the core of the profile of insulbar LI reduces the thermal conduction capacity. The compact,

smooth structure of the surface ensures a perfect visual appearance and reliability in the coating process.



Picture 4: insulbar LI permits – as illustrated here – identical U_f values with smaller insulating bars or optionally improved values while retaining the same profile size.

Pictures courtesy of: Ensinger GmbH

In high quality: [Download ZIP](#) or via press.info@oha-communication.com

About insulbar®

Ensinger GmbH is one of the world's leading developers and producers of **thermal insulating profiles** for window, door and facade construction. The profiles marketed under the brand name insulbar® create a thermal barrier between the inner and outer shells of metal frames. Insulation solutions using insulbar® profiles achieve the best values in terms of energy saving and reduced heating and air conditioning costs, while complying with the most stringent quality standards in every respect. They have been in successful application the world over for more than forty years.

insulbar.com

About Ensinger

The **Ensinger Group** is engaged in the development, manufacture and sale of compounds, semi-finished materials, composites, technical parts and profiles made of engineering and high-performance plastics. To process the thermoplastic polymers, Ensinger uses a wide range of production techniques, such as extrusion, machining, injection moulding, casting, sintering and pressing. With 2,500 employees at 33 locations, the family-owned enterprise is represented worldwide in all major industrial regions with manufacturing facilities or sales offices. ensingerplastics.com

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