

Press Release

November 12, 2014

insulbar insulating profiles: The right choice made easy

In time for the BAU 2015, Ensinger is introducing a new product classification system for its insulbar insulating profiles used in windows, doors and facades

The requirements imposed on insulating profiles for modern windows, doors and facades are varied. To meet these needs, Ensinger offers application-specific solutions made of TECATHERM special-purpose plastics, for example for extreme mechanical loads, particularly efficient thermal separation, sustainability or fire protection:

"The new classification system we have introduced for our products depending on their specific fields of application helps support customers in choosing the right insulating profile", explains Frank Killinger, Head of Sales for insulbar at Ensinger. "Because with the right material properties, even the most challenging tasks can be reliably addressed with insulbar using individually adjusted dimensions and shapes."

In future, the product classification will indicate the relevant application emphasis:

insulbar High Performance: withstands high levels of mechanical stress

High Performance profiles come with impressive mechanical properties and are used wherever high loading capacities and rigidity are called for. Alongside the glass fibre-reinforced universal profile insulbar REG for all customary applications, insulbar also offers insulbar LGF, which is based on particularly long glass fibres

Ensinger at the fair:

BAU 2015
19 – 24 January 2015
Munich
Hall B1, Stand 430

for enhanced strength and rigidity – ideal for facade press-on or glass holding profiles.

insulbar High Efficiency: highly efficient thermal separation

insulbar LEF insulating webs with applied Low-E film are a highly efficient, easy-to-process alternative to insulating foams, and guarantee outstanding U_f values. These profiles set a whole new standard in thermal separation – particularly in the low-energy and passive house sector.

insulbar High Sustainability: the green and sustainable choice

insulbar RE made from 100% recycled polyamide saves energy and precious resources right from the manufacturing stage. This is also confirmed by the Environmental Product Declaration (EPD), which is a major benefit when calculating the life cycle assessment of eco-certified buildings. insulbar RE insulating profiles also save substantial costs and energy in application.

insulbar High Resistance: showing flames the cold shoulder

insulbar FS (Fire Stop) profiles offer the ideal solution when it comes to thermally separated energy-saving fire protection systems such as those required to be used in public buildings. These fire protection profiles are reinforced by continuous fibres, and have flame retardant and non-melting properties.

Ensinger also offers a range of additional profiles for special requirements: For instance insulbar ESP with optimized electrostatic properties for improved powder attraction when coated as an assembly, or insulbar LUB, the self-lubricating glass fibre-reinforced profile for lock and bolt rods.

For those interested in finding out more, detailed information on insulbar insulating profiles is available at the Ensinger trade fair stand 430, Hall B1 or at www.insulbar.de.

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Fig. 1: insulbar insulating profiles successfully protect the mountain-top "Sphinx" restaurant on the Jungfrauoch from temperatures as low as -30°C and wind speeds of up to 250 km/h.

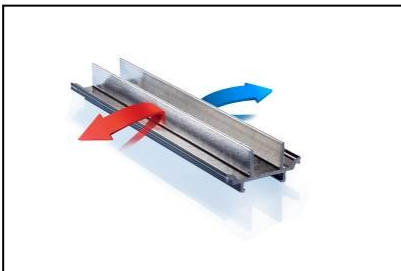


Fig. 2: insulbar LEF: This insulating profile uses a Low-E film which reflects thermal radiation. This provides optimum thermal separation of the outer and inner shells of metal frames used for windows, doors and facades.



Fig. 3: insulbar RE: This insulating profile for the thermal separation of metal frames comprises 100 % unmixable recycled polyamide – and will be demonstrated live at the BAU 2015.



Fig. 4: Frank Killinger, Head of Sales for insulbar at Ensinger

Pictures courtesy of: Ensinger GmbH

In high quality: <http://www.oha-communication.com/index.php/de/ensinger> and via press.info@oha-communication.com

About insulbar

Ensinger GmbH is among the world's leading developers and producers of thermal insulation profiles for window, door and facade construction. The profiles marketed under the brand name insulbar® create a thermal separation between the inside and outside shells of metal frames. Insulation systems using insulbar profiles achieve optimum values in terms of energy savings and cutting the cost of heating and cooling. At the same time, insulbar profiles comply with the most stringent quality standards in every respect. They have been in successful operation around the world for over 30 years. For more information, go to www.insulbar.de.

About Ensinger

The Ensinger group is engaged in the development, manufacture and sale of compounds, semi-finished materials, profiles and technical parts made of engineering and high-performance plastic. Ensinger makes use of a number of different manufacturing methods, in particular extrusion, machining and injection moulding. Employing a total workforce of 2,100 in 27 locations, the family firm is represented in all the important industrial regions of the world with its own production plants or sales branches. For more information, go to www.ensinger-online.com.

Press contact and additional information:

Ensinger GmbH
Karin Skrodzki
Public Relations insulbar
Rudolf-Diesel-Str. 8 • 71154 Nufringen • Germany
Tel.: +49 7032 819 -674 • E-Mail: k.skrodzki@de.ensinger-online.com
Internet: www.insulbar.de

Agency contact:

oha communication
Oliver Frederik Hahr
Auf dem Haigst 23 • 70597 Stuttgart • Germany
Tel.: +49 711 5088 65821 • E-Mail: oliver.hahr@oha-communication.com
Internet: www.oha-communication.com/ensinger