

PRESS RELEASE

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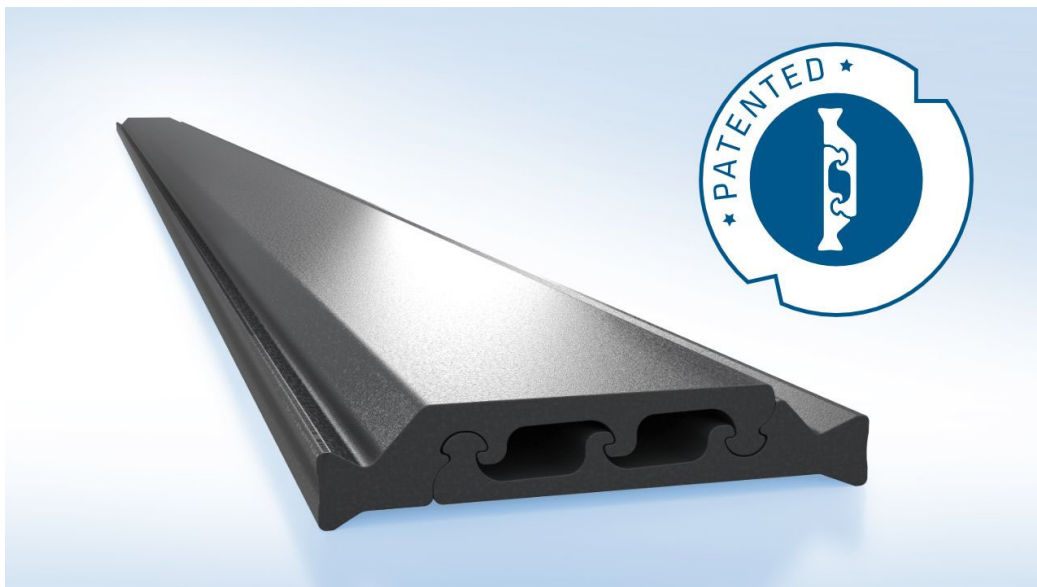
Ensinger insulbar shear-free granted US design patent

Renowned plastics specialist, Ensinger, has been granted a US design patent for their innovative “Shear-free” insulating profile range.

The shear-free insulating profile range provides a solution to a well-known problem with aluminium doors known as the bi-temperature effect. This design consists of two intermeshing parts which allow a corrective zone in the event of linear expansion between the aluminium shells caused by temperature variations between interior and exterior surfaces. The patented intermeshed design still retains high transverse tensile strength, another critical element in thermally broken products.

“We have seen rapid adoption for this profile solution in the hot southern regions of the USA where a combination of darker profile colors, direct sunlight, and heat can cause the door to deform and stick” explains Kurt Miglas, Sales and Marketing Manager for North America. “However, the benefits of this product are just as critical in the colder Northern regions of our market where we see the same extreme temperature differentials, just inverted.”

The shear-free insulbar profile is inserted like a conventional insulating bar and is available in different sizes between 20 - 42 mm. This allows fabricators to adopt this innovative solution into existing designs without any engineering changes required.



Picture caption (Photo: Ensinger)

insulbar shear-free has been granted a US design patent.

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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 a total of 2,700 employees at 35 locations, the family-owned enterprise is represented worldwide in all major industrial regions with manufacturing facilities or sales offices.

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