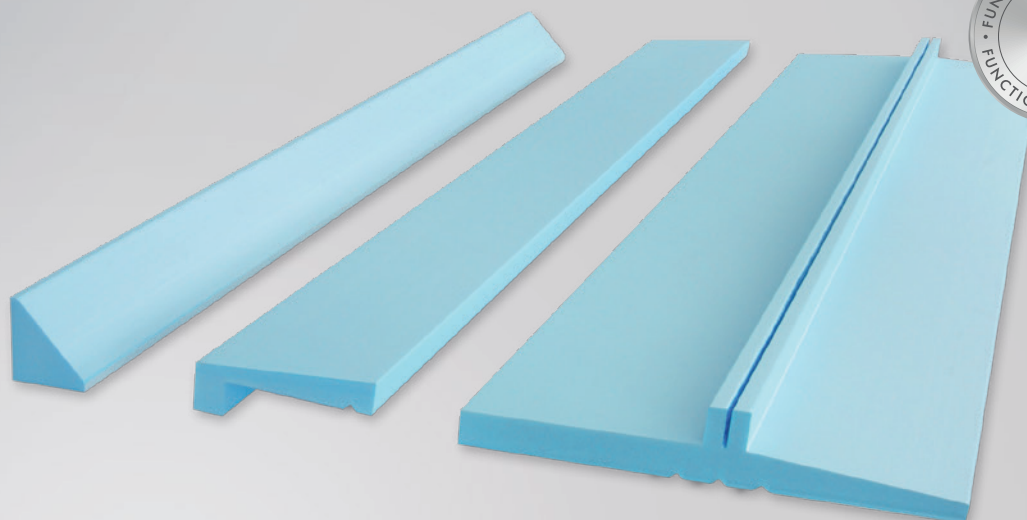


PRODUCT DATA SHEET

ISO-TOP WINDOW SILL FORMS



PRODUCT DESCRIPTION

ISO-TOP WINDOW SILL FORMS are insulating profiles made from XPS polystyrene; this has very high compressive strength and was specially developed as thermal insulation for aluminium lower external window sills. This is always a critical area with respect to heat retention. The ISO-TOP WINDOW SILL FORMS do not simply offer excellent thermal insulation. They also provide a compression-resistant substructure for window sills made from aluminium or mineral materials. The window sill forms have a positive effect on the temperature factor f_{RSi} , they increase the surface temperature in the area of the inner window sill and thus reduce the risk of moisture and mold.

APPLICATION

ISO-TOP WINDOW SILL FORMS are installed immediately beneath window sills. They help to avoid thermal bridges and optimise the thermal insulation in the area connecting with the window sill in residential buildings, single-family homes, nearly zero energy buildings and passive houses. ISO-TOP WINDOW SILL FORMS can also act as the second sealing level if they are glued all round to the wall and window profile in combination with an ISO-TOP FACADE SEAL.

DIMENSIONS

Custom-made to the individual customer's drawing

- Maximum possible length (without joint): 1200 mm
- Maximum possible width (without joint): 570 mm
- Maximum possible thickness (without joint): 200 mm

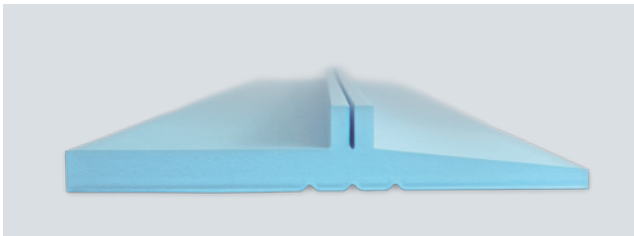
PRODUCT ADVANTAGES

- very high compression strength
- very low thermal conductivity
- manufactured to size and shape to suit individual, project-specific requirements
- reduction of structure-related thermal bridges
- complies with the requirements of the Building Energy Act and the recommendations of the RAL "installation guide"
- optimises the temperature factor f_{RSi}
- ideal for sealing the lower connection in combination with MS Polymer
- simple adjustment of length using standard mitre saws
- excellent for building renovations to reduce energy consumption
- can be combined with the system products of the ISO³-WINDOW SEALING SYSTEM
- 10 Year Function Warranty*

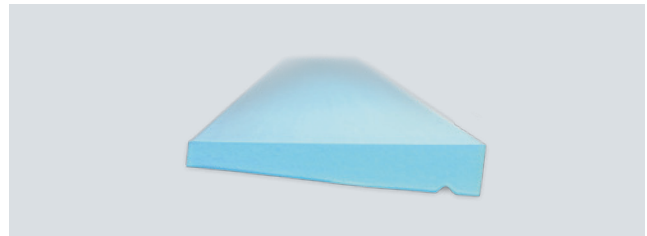
* On the conditions of the manufacturer (available on request).

ISO-TOP WINDOW SILL FORMS

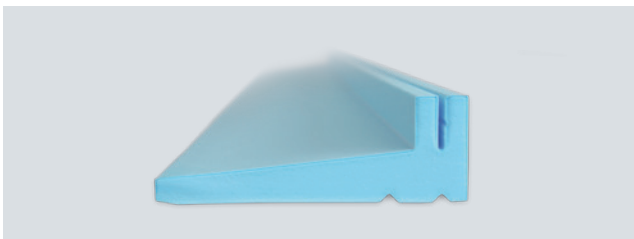
Technical data	Standard	Classification
Material description		XPS polystyrene
Colour		light blue
Density	DIN EN 1602	33 kg/m ³
Building material class	DIN EN 13501-1	E
Thermal conductivity	DIN EN 13164	$\lambda = 0.033 - 0.035 \text{ W}/(\text{m} \cdot \text{K})$
Compression stress / compression strength at 10% compression*	DIN EN 826	300 kPa \pm 0,3N/mm ²
Long-term creep characteristics (50 years) at 2% compression	DIN EN 1606	130 kPa \pm 0,13N/mm ²
Elasticity module	DIN EN 826	< 50 mm = 12,000 kPa ≥ 50 mm = 20,000 kPa
Long-term water absorption by immersion	DIN EN 12087	0.7 Vol. %
Water absorption by diffusion	DIN EN 12088	< 50 mm = 3 Vol. % 50 – 79 mm = 2 Vol. % ≥ 80 mm = 1 Vol. %
Water absorption after freeze-thaw cycling	DIN EN 12091	1 Vol. %
Dimensional stability under defined temperature (70°C) and humidity (90%) conditions	DIN EN 1604	< 5%
Deformation under specified compressive (40kPa) and temperature (7°C) stress		< 5
Linear thermal expansion coefficient		0.07 mm/(m · K)
Dimensional tolerance	DIN 7715 T5 P3	requirements fulfilled
Waste key		170604, 170904
Shelf life		24 months



Finish 1



Finish 4



Finish 2



Finish 5



Finish 3



Finish 6

Other forms possible according to individual customer's drawing.

The details and information given in this literature are based on best current knowledge. They are intended to serve as general information only and it is advised that the user conducts their own tests for their specific set of conditions to determine the suitability of the product for its proposed use. No warranty or liability is given or implied regarding any part of these instructions or details, or the completeness of the information. We reserve the right to modify, or change, the specifications and information without advance notification. All goods are supplied subject to our standard conditions of sales, copies of which are available upon request.