

In the context of the ever-increasing demand for insulating support systems, we have renewed and expanded our range. In addition to the Iso Top Winframer Type 1, we have also included the new Iso Top Winframer Type 3 in our range. Both are available in panels as well as in preformed custom pieces and help to obtain an increased insulating effect and a reduction of thermal bridges in buildings.

These materials have been tested in accordance with European standards and are therefore provided with corresponding test reports.

1. Application

These materials can be used as insulating load-bearing materials, for example for joinery in overflow.



2. Properties

- High load-bearing capacity of more than 200 kg per running metre (see our test reports)
- Can be installed quickly and mechanically with screws adapted to the surface, in combination with glue sealant
- Versatile finishes against air, water, rain, ... possible with our sealants
- Test results from the ift Rosenheim Institute
- Good resistance to compression
- Exceptional thermal insulation
- Easy to glue
- Easy to cut, mill, pierce, glue, etc.
- Connecting pieces available
- Form stability and non-rotting
- Recyclable



1. Iso-Top Winframer Type 1

created by Castelein Sealants

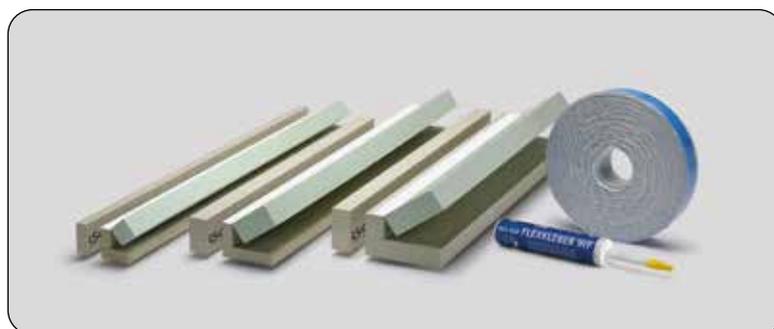
Product base

This insulating support system consists of compressed PUR that is processed in a custom-made system, including an insulating core (Iso-Top Winframer type 1), or in panels.

Available dimensions

Panels:

- Length: 2440 mm
- Width: 1220 mm
- Available thicknesses: 30-50-60-70 mm



Preformed:

- Length: 1200 mm
- Available shapes: 80 x 80 / 90 x 80 / 140 x 90 / 160 x 110 / 180 x 110 / 200 x 110 mm

Technical properties

Base	compressed PUR
Building material class (DIN EN 13501-1)	E
Load-bearing capability	> 200 kg/m depending on the substrate
Approval of building materials	Z-23.11-2014
Thermal conductivity (DIN EN 12667)	$\lambda=0,096 \text{ W/(m}\cdot\text{K)}$
Average U-value	
Type 80/80	0,51 W/(m ² •K)
Type 140/90	0,27 W/(m ² •K)
Type 200/110	0,20 W/(m ² •K)
Acoustic attenuation	up to 50 dBA (according to the classification of the elements in construction and joinery)
Temperature resistance	-50°C to +100°C
Aging resistance	non-rotting
Moisture resistance	high resistance to moisture, treated with anti-fungal and anti-termite
Dimensional stability	high form stability



2. Iso-Top Winframer Type 3

created by Castelein Sealants

Product base

This insulating support system consists of polystyrene hard foam that is processed in a custom-made system (Iso-Top Winframer type 3), or in panels.



Available dimensions

Panels:

- Length: 1200 mm
- Width: 800 mm
- Available thicknesses: 20-30-40-50-60-70-80-100-120 mm



Preformed:

- Length: 1200 mm
- Available shapes: 80 x 80 / 140 x 80 / 160 x 80 / 180 x 80 mm

Technical properties

Base	Polystyrene hard foam
Colour	Grey
Density	150 kg/ m ³ +/- 10%
Building material class (DIN EN 13501-1)	E
Thermal conductivity (DIN EN 12667)	$\lambda = 0,040 \text{ W}/(\text{m} \cdot \text{K})$
Air permeability (DIN EN 12114)	$\approx 0,00 \text{ m}^3/(\text{h} \cdot \text{M})$
Aging resistance	non-rotting
Temperature resistance (ISO 75-1)	+ 85 °C
UV stability	> 6 months
Load-bearing capacity	> 200 kg/m depending on the substrate
Compression resistance (DIN EN 826-A)	$\approx 1.8 \text{ MPa}$





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