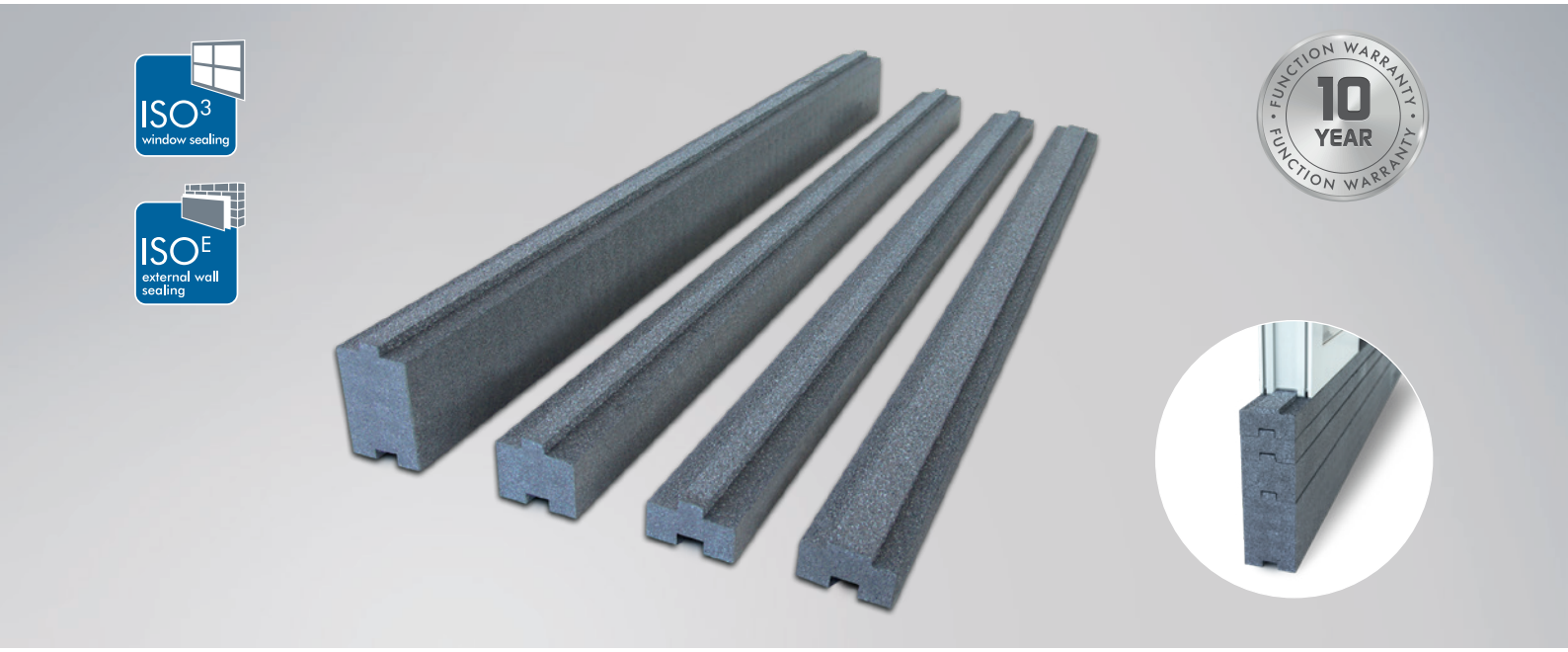
PRODUCT DATA SHEET

ISO-TOP BASE

ISO CHEMIE
Use the blue technology.



PRODUCT DESCRIPTION

ISO-TOP BASE is a thermally insulating floor recess system profile with variable installation height for a thermally optimised substructure for components. The compression-resistant and high-density material also makes ISO-TOP BASE suitable for use beneath large and heavy window and lift-and-slide door elements. The modular interlocking system provides the suitable connecting profile to match the frame and to customise height by combining ISO-TOP BASE P and ISO-TOP BASE H.

ISO-TOP BASE PREFAB

ISO-TOP BASE PREFAB is the more installation-friendly version of ISO-TOP BASE. The project-specific prefabricated profile is supplied ready to install with the suitable connection for a clean transition to the window or door frame profiling and cut to the required installation height and length. Work such as cutting to size, bonding profiles to create height or length and the disposal of cut-offs and sawing waste is eliminated, thus speeding up the installation. Assembly in the factory, regardless of weather conditions, saves valuable construction time on site, prevents assembly delays and enables cost-efficient and reliable calculations.

ACCESSORIES

- ISO-TOP FLEX-ADHESIVE WF for air tight bonding
- ISO-MEMBRA SX for air tight sealing to the component

PRODUCT ADVANTAGES

- fast and simple to fit
- for all standard profile systems
- no cutting to size required, project-specific length and height
- optimum integration in EWI systems
- optimisation of the Ψ-value thanks to highly heat-insulating properties
- interlock system simplifies height adjustments
- compression-resistant, resistant to decay and non-rotting
- complies with the requirements of the Building Energy Act and the recommendations of the RAL "installation guide"
- 10-year functional warranty*

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

GEV-EMICODE EC 1 PLUS very low emission
IMA TESTED
cool, temperate climate phB CERTIFIED COMPONENT Passive House Institute
ift SYSTEM TESTED

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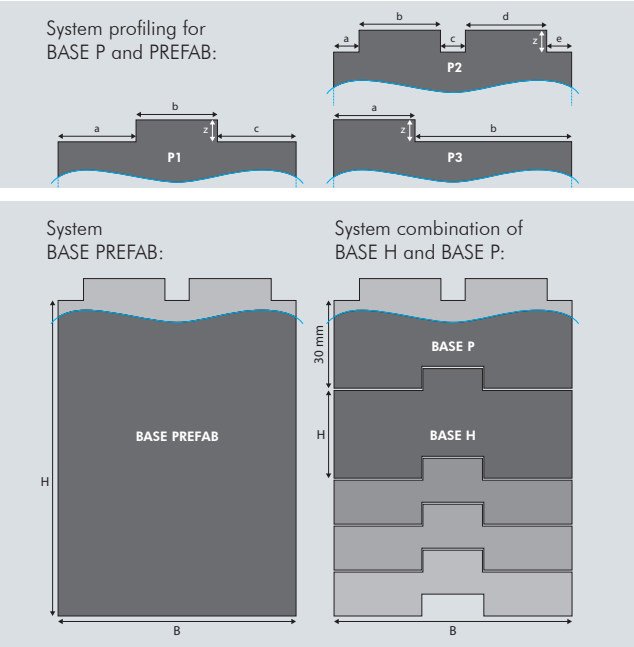
ISO-TOP BASE

Technical data	Standard	Classification
Material description		THERMAPOR (EPS-F / flame-retardant)
Colour		silver grey
Building material class	DIN 4102-1	B1
Fire behaviour	DIN EN 13501-1	E
Impermeable to driving rain	DIN EN 1027	≥ 1,200 Pa
Bulk density		150 kg/m³ ± 10%
Flame retardant		HBCD-free flame retardant
UV light stability		6 months direct weathering during the construction phase
Compatibility with adjacent building materials	Internal	requirements fulfilled
Compatibility w/ salt water / hydrochloric acid (10%)		resistant
Compatibility with caustic soda (10%)		resistant
Air permeability coefficient	DIN EN 12114	a = 0.00 m³/[h·m·(daPa)ⁿ] (no measurable air penetration)
Thermal conductivity	DIN EN 12667	λ = 0.040 W/(m·K)
Sound insulation / joint sound reduction index	EN ISO 10140-1 / -2	$R_{S,w}$ (C; C_{tr}) = 46 (0; -1) dB
Burglar resistant	DIN EN 1627	resistance class RC2 and RC3
Form stability under thermal stress		-40 °C to +85 °C
Temperature resistance	ISO 75-1	long-term +85 °C
Ageing resistance		resistant to decay, non-rotting
Compressive strength at 2% / 10%	DIN EN 826	1.194 N/mm² / 1.793 N/mm²
Bending strength	DIN EN 12089	≥ 650 kPa
Shearing stress	DIN EN ISO 14130	X = 0.217 N/mm²
Creep characteristics at 20% and 60%		Em = 0.68 0/00 to 5.2 0/00
Water absorption (28 days storage)	DIN 12087	≤ 1.5 Vol.%
Water vapour diffusion resistance μ	DIN EN ISO 12572	< 70
Waste code		170604 / 170904
Load transfer up to		1,000 kg per linear metre and profile width of 100 mm
Dimension tolerance	DIN 7715 part 5 P3	requirements fulfilled
Shelf life		24 months



APPLICATION

Substructure profile for height of floor-to-ceiling windows, doors and lift-and-slide doors made from wood, wood-aluminium, aluminium and PVC on concrete bases. Care must be taken to ensure that the sealing is carried out in accordance with the applicable standards. Sufficient weather protection is to be ensured between ISO-TOP BASE and the substrate. The exterior is to be protected against driving rain and / or standing water. The interior joints must be made vapour-diffusion retardant and air tight.

DIMENSIONS

- width: 60/70/80/90/100 mm
- height: BASE P = 30 mm
  BASE H = 30/50/100 mm
  BASE PREFAB = project-specific up to 800 mm
- length: BASE H / P = 1,200/2,400/3,600 mm
  BASE PREFAB = project-specific
- profiling (BASE P & PREFAB): project-specific