

PRODUCT DATA SHEET

ISO-BLOCO FILLER



PRODUCT DESCRIPTION

ISO-BLOCO FILLER is a multi-functional insulation and sealing system which has been developed especially for window fitting in cavity walls. It is fitted in the gap between the inner wall and outer faced brickwork.

It is made up of two functional components:

One of these is a filler block made of highly elastic special foam. This forms the basis for sealing the window against the building and seals the gap between the window and the cavity wall aperture. The high elasticity of the filler block guarantees a firm fit and makes the air tight closure of the masonry opening possible, which is necessary in order to conform with window sealing standards.

The second component of the sealing system is a sealing bar made of impregnated foam which guarantees sealing of the window frame against the outer wall and protects the window connection joint securely against the influence of the weather in the rebate area.

PACKAGING

ISO-BLOCO FILLER sealing profile bars

PRODUCT ADVANTAGES

- simple fitting, conforming to window sealing standards in cavity walls
- ideal for “check reveal” situation
- high adaptation to “check reveals” of up to 30%
- integrated sealing tape system for sealing the weather protection level
- flexible adaptation to unevenness of the inner wall
- complies with the requirements of the Building Energy Act (EnEV was vaild 31.10.20) and the recommendations of the RAL “installation guide”



Installation example: ISO-BLOCO FILLER

PATENTED

ISO-BLOCO FILLER

Technical data	Standard	Classification
Sealing bar:		
Material description		sealing bar made of impregnated PUR soft foam
Colour		grey-anthracite
Classified according to	DIN 18542	BG 1
Air permeability coefficient	DIN EN 12114	$\alpha < 1.0 \text{ m}^3 / [\text{h} \cdot \text{m} \cdot (\text{daPa})^n]$
Impermeable to driving rain	DIN EN 1027	$\geq 600 \text{ Pa}$
Temperature stability range	DIN 18542	-30°C to $+90^\circ\text{C}$
Compatibility with adjacent building materials	DIN 18542	requirements fulfilled
Building material class	DIN 4102	B1 (fire resistant)
Thermal conductivity	DIN EN 12667	$\lambda = 0.052 \text{ W/m} \cdot \text{K}$
Water vapour diffusion resistance μ	DIN EN ISO 12572	≤ 100
sd-value	DIN EN ISO 12572	$< 0.5 \text{ m}$ at 50mm width (breathable)
Dimensional tolerance (sealing bar and filler block)	DIN 7715 T5 P3	requirements fulfilled
Shelf life (sealing bar and filler block)		2 years, stored dry and in original packaging
Storage temperature (sealing bar and filler block)		$+1^\circ\text{C}$ to $+20^\circ\text{C}$
Filler block profile:		
Material description		highly elastic filler block profile
Density filler block profile in kg/m^3		22 +/-
Compression strength – filler block		at 25% compression 30kPa following DIN EN ISO 844 at 50% compression 80kPa following DIN EN ISO 844
Building material class	DIN EN 13501	E
Thermal conductivity	DIN EN 12667	$\lambda = 0.040 \text{ W/m} \cdot \text{K}$

APPLICATION

ISO-BLOCO FILLER is a perfect solution, in accordance with the window sealing standards, for sealing windows against masonry in cavity walls, both in new buildings and where windows are being refurbished. The insulation and sealing system is pressed directly into the opening between the inner and outer wall cavity before the window is fitted. ISO-BLOCO FILLER is pressed into position. Permanent positioning is then guaranteed due to the high elasticity of the material. The material creates an air tight seal, thus forming an ideal solution for a check reveal situation. If the connection surfaces are extremely uneven, any gaps can be closed using injected sealing agents.

The ISO-BLOCO FILLER can be used all the way round the cavity. In the corners the special fill block is butt jointed.

The remaining joint between the window frame and ISO-BLOCO FILLER can then be sealed according to the 3-level principle e. g. using the multi-functional joint sealing strip ISO-BLOCO ONE or using another joint sealing solution in line with generally accepted technical guidelines.

DIMENSIONS

Type description	Format	For gaps from – to	For rebate joints up to	For rebate widths up to	Carton (metres)
ISO-BLOCO FILLER 40 / 60	1,000x60x60mm	60 – 40 mm	6 mm	45 mm	36
ISO-BLOCO FILLER 60 / 80	1,000x60x80mm	80 – 60 mm	6 mm	45 mm	27
ISO-BLOCO FILLER 80 / 100	1,000x60x100mm	100 – 80 mm	6 mm	45 mm	27