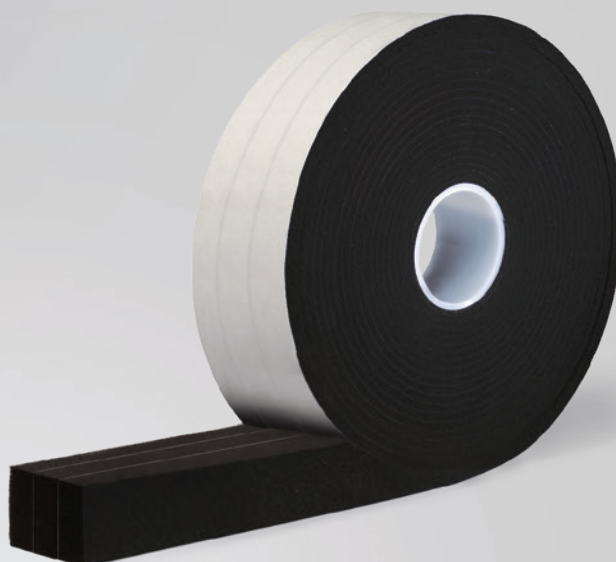


PRODUCT DATA SHEET

ISO-BLOCO HYBRATEC



HYFI-TECH
The hybrid technology
with foil wall

PRODUCT DESCRIPTION

ISO-BLOCO HYBRATEC is a multi-functional tape 4.0 that is equipped with hybrid technology. The new hybrid technology combines the high resistance of film technology to air and driving rain with the reliable flexibility and movement absorption ability of high-quality multi-functional tapes tested and certified to MF 1 (previously BG 1 and BGR). With an α -value of $0.00 \text{ m}^3/[\text{h} \cdot \text{m} \cdot (\text{daPa})^{2/3}]$, the pre-compressed tape is 100% air tight when used on the interior and thus prevents convection heat losses. By integrating several barrier layers, ISO-BLOCO HYBRATEC complies with the principle "inside tighter than outside".

APPLICATION

ISO-BLOCO HYBRATEC is the multi-functional tape that meets the requirements of state-of-the-art buildings 100% in terms of energy efficiency and reliability. It offers the absolute airtightness and maximum thermal protection that is mandatory for passive houses and zero-energy houses as well as a high resistance to driven rain that has been adapted to climate change yet still guarantees long-term permanent absorption of movement. ISO-BLOCO HYBRATEC is the suitable multi-functional tape 4.0 for all these requirements.

PRODUCT ADVANTAGES

- hybrid technology thanks to film barrier layers
- sealing of a wide range of different joints with one tape dimension 6 – 40 mm
- absolutely air tight thanks to several barrier layers of film
- double protection thanks to hybrid technology
- no flow of warm air from the inside to the outside
- maximum energy saving
- increased impermeable to driving rain in excess of 1,200 Pa*
- complies with the principle "inside tighter than outside" thanks to several barrier layers of film
- optimum transportation of humidity
- high drying effect
- high functional reliability due to large expansion ability
- certified Passive House component
- complies with the requirements of the Building Energy Act and the recommendations of the RAL "installation guide"
- 10 Year Function Warranty**

* In tested joint dimensions according to test certificate.

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



ISO-BLOCO HYBRATEC



Technical data	Standard	Classification
Material description		impregnated PUR flexible foam with hybrid technology
Colour		black
Impermeable to driving rain	DIN EN 1027	$\geq 1,050\text{Pa}$
Increased impermeable to driving rain	DIN EN 1027	$\geq 1,200\text{Pa}^*$
Temperature stability range	DIN 18542	-30°C to $+80^\circ\text{C}$
Classification according to	DIN 18542-2020	MF 1 (BG 1 / BGR)
Air permeability coefficient	DIN EN 12114	$\alpha < 0.00\text{m}^3 / [\text{h} \cdot \text{m} \cdot (\text{daPa})^{2/3}]$
Compatible with adjacent building materials	DIN 18542	requirements fulfilled
Dimension tolerance	DIN 7715 TP P3	requirements fulfilled
Building material class	DIN 4102	B1 (fire resistant)
Fire behaviour	DIN EN 13501-1	B-s1, d0**
Thermal conductivity	DIN EN 12667	$\lambda_{10,\text{tr}} \leq 0.048\text{W} / \text{m} \cdot \text{K}$
U-value: window construction depth 60mm / 70mm / 80mm	DIN 4108-3	$U = 0.8\text{W} / (\text{m}^2 \cdot \text{K}) / 0.7\text{W} / (\text{m}^2 \cdot \text{K}) / 0.6\text{W} / (\text{m}^2 \cdot \text{K})$
Sound reduction		up to 60dB
Humidity management	DIN 4108-3 DIN EN ISO 10077-2	drying consistency thanks to hybrid technology
Shelf life		1 year, dry and in original packing
Storage temperature		$+1^\circ\text{C}$ to $+20^\circ\text{C}$

* In tested joint dimensions according to test certificate.

** according to test certificate

Area of application*** joint width (MF 1)	Roll length (metres)	Tape width (mm) / Carton contents (metres)									
		30	40	55	65	70	75	80	85	95	105
S / 3 – 14mm	22.5	292.5	225.0	157.5	135.0	112.5	112.5	112.5	90.0	90.0	67.5
M / 4 – 20mm	15.0	195.0	150.0	105.0	90.0	75.0	75.0	75.0	60.0	60.0	45.0
XL / 6 – 40mm	7.5	97.5	75.0	52.5	45.0	37.5	37.5	37.5	30.0	30.0	22.5

*** Movement of the components and temporary changes of length of the existing joints should be taken into account when determining the right strip size.

PACKAGING

Pre-compressed rolls with one side self-adhesive
(to aid installation)

ACCESSORIES

ISO-TOP FLEX-ADHESIVE XP for gluing tape joints



Installation example: ISO-BLOCO HYBRATEC