

PRODUCT DATA SHEET

ISO-BLOCO

MULTI-FUNCTIONAL TAPE



PRODUCT DESCRIPTION

The ISO-BLOCO MULTI-FUNCTIONAL TAPE is a special joint sealing strip with outstanding functionality that can be used for a wide range of applications. It is used to seal connection joints of windows and doors against drafts and driving rain. At the same time it also provides thermal and acoustic properties throughout the joint.

The ISO-BLOCO MULTI-FUNCTIONAL TAPE is permeable to vapour diffusion according to the RAL principles, this guarantees that the joint will dry out completely.

APPLICATION

The ISO-BLOCO MULTI-FUNCTIONAL TAPE is an “all-in-one tape” which combines all the requirements of Building Energy Act GEG (EnEV was valid 31.10.20) and the RAL “installation guide” in one product. It is therefore especially suitable for the safe, as in reliable, straightforward and time saving sealing of window and door connections.

PACKAGING

pre-compressed rolls with self-adhesion on one side (to aid installation)

PRODUCT ADVANTAGES

- 3-level seal with just one product
- sealing a wide range of joints with a minimum of tape dimensions
- easy one step application for a reliable seal
- significant cost advantage through time saving installation during fitting
- can be installed in adverse weather conditions
- complies with the requirements of the Building Energy Act (EnEV was valid 31.10.20) and the recommendations of the RAL “installation guide”
- weather-proof according to DIN 18542 BG 1
- 10 Year Function Warranty*

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



ISO-BLOCO MULTI-FUNCTIONAL TAPE



Technical data	Standard	Classification
Material description		impregnated PUR flexible foam
Base		fire-resistant polymeric dispersion
Colour		grey, inside: coloured
Air permeability coefficient	DIN EN 12114	$\alpha < 0.1 \text{ m}^3 / [\text{h} \cdot \text{m} \cdot (\text{daPa})^0]$
Impermeable to driving rain	DIN EN 1027	$\geq 600 \text{ Pa}$
Temperature stability range	DIN 18542	-30°C to +80°C
Classification according to	DIN 18542	BG 1 and BGR
UV light and weather stability	DIN 18542	requirements fulfilled
Compatibility with adjacent building materials	DIN 18542	requirements fulfilled
Dimension tolerance	DIN 7715 T5 P3	requirements fulfilled
Building material class	DIN 4102	B1 (fire resistant)
Thermal conductivity	DIN EN 12667	$\lambda = 0.048 \text{ W} / \text{m} \cdot \text{K}$
Water vapour diffusion resistance μ	DIN EN ISO 12572	≤ 100
Steam pressure gradient		outside vapour permeable (opposite to coloured side)
U-value: window construction depth 60mm / 70mm / 80mm	DIN 4108-3	$U = 0.8 \text{ W} / (\text{m}^2 \cdot \text{K}) / 0.7 \text{ W} / (\text{m}^2 \cdot \text{K}) / 0.6 \text{ W} / (\text{m}^2 \cdot \text{K})$
Shelf life		12 months, dry and in original packaging
Storage temperature		+1°C to +20°C

Tape width / area of application	Window construction depth	Recommended joint width*	Carton (metres)
54 / 5 – 10mm	60mm	5 – 10mm	28.0
64 / 5 – 10mm	70mm		22.4
74 / 5 – 10mm	80mm		22.4
84 / 5 – 10mm	90mm		16.8
54 / 7 – 15mm	60mm	7 – 15mm	21.5
64 / 7 – 15mm	70mm		17.2
74 / 7 – 15mm	80mm		17.2
84 / 7 – 15mm	90mm		12.9
54 / 10 – 20mm	60mm	10 – 20mm	16.5
64 / 10 – 20mm	70mm		13.2
74 / 10 – 20mm	80mm		13.2
84 / 10 – 20mm	90mm		9.9

Alternative dimensions available on request.

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



Installation example: ISO-BLOCO MULTI-FUNCTIONAL TAPE

SEALING PERFORMANCE

• driving rain impermeable joint width

Area of application	Joint width in mm																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
/ 5 – 10					•	•	•	•	•	•																				
/ 7 – 15							•	•	•	•	•	•	•	•	•															
/ 10 – 20										•	•	•	•	•	•	•	•	•	•	•	•									

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