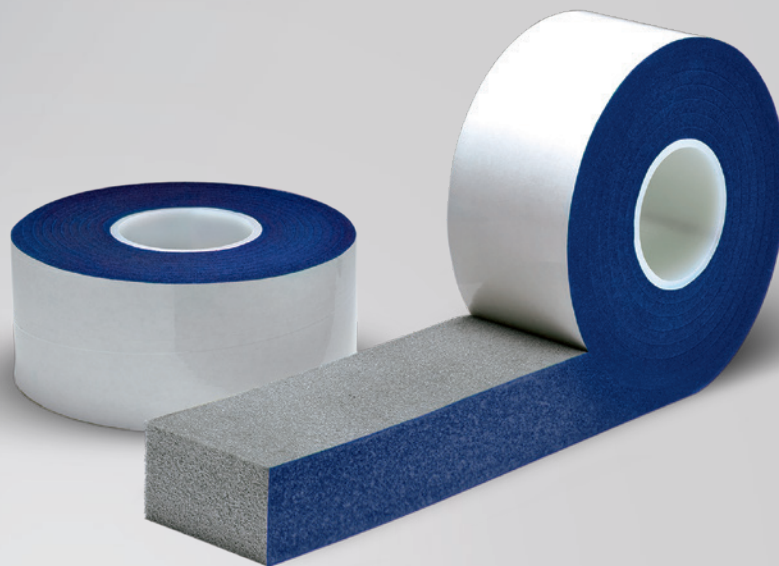


PRODUCT DATA SHEET

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 $+80^\circ\text{C}$ |
| 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 | | $+1^\circ\text{C}$ to $+20^\circ\text{C}$ |

| 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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