

# PRODUCT DATA SHEET

## ISO-BLOCO MULTITEC



**HYFI-TECH**  
The hybrid technology  
with foil wall

### PRODUCT DESCRIPTION

ISO-BLOCO MULTITEC is an MF1-tested pre-compressed multi-functional tape with hybrid technology for creating 3-layer seals around window, door and other connection joints that are air tight, impermeable to driving rain and thermally insulating. This hybrid combination of flexible, impregnated foam and an air tight, moisture-regulating membrane film layer provides reliable and cost-effective joint sealing in accordance with the "inside tighter than outside" principle. Even when subject to extreme climate changes, ISO-BLOCO MULTITEC offers excellent structural movement compensation and due to its ability to continuously absorb movement; reliably prevents convection heat loss.

### APPLICATION

ISO-BLOCO MULTITEC is the hybrid further development of conventional multi-functional tapes with integrated film barrier layer. It is ideal for the requirements of energy-efficient joint sealing when installing windows or doors and when sealing structural and modular elements. In new builds and renovations, ISO-BLOCO MULTITEC can be applied directly to the building structure in combination with supporting frames and can be used for in front of wall installation in the insulation level. It offers the specified airtightness and maximum thermal protection for all types of building (e.g. KfW energy-efficient houses, passive houses and plus energy houses).

### PRODUCT ADVANTAGES

- MF1-tested 3-level-sealing
- improved airtightness thanks to integrated membrane film
- cost-effective sealing of structural joints
- optimised storage costs thanks to wide sealing application range
- saves energy thanks to excellent thermal insulation and air tightness
- healthy living environment due to optimising  $f_{RSi}$  factor
- weather-resistant without additional measures (MF1)
- clear identification of the tape quality, dimension
- complies with the requirements of the Building Energy Act and the recommendations of the RAL "installation guide"
- 10 Year Function Warranty\*

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

### PACKAGING

rolls, roll length: 22,5m (dimension S), 15 m (dimension M), 10 m (dimension L)



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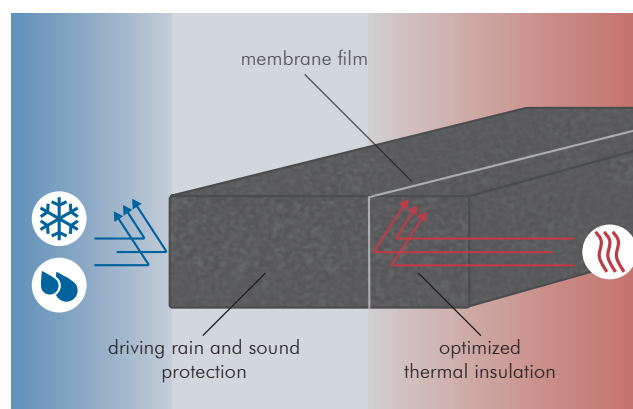
| Technical data                                 | Standard                         | Classification                                                                                                                                 |
|------------------------------------------------|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Material description                           |                                  | impregnated PUR flexible foam with hybrid technology                                                                                           |
| Colour                                         |                                  | anthracite                                                                                                                                     |
| Impermeable to driving rain, single joint      | DIN EN 1027                      | $\geq 600 \text{ Pa}$                                                                                                                          |
| Temperature stability range                    | DIN 18542                        | $-30^{\circ}\text{C}$ to $+80^{\circ}\text{C}$                                                                                                 |
| Classification according to                    | DIN 18542-2020                   | MF 1                                                                                                                                           |
| Air permeability coefficient                   | DIN EN 12114                     | $\alpha < 0.05 \text{ m}^3 / [\text{h} \cdot \text{m} \cdot (\text{daPa})^{2/3}]$                                                              |
| Protection of the functional level             | DIN 18542                        | fulfilled                                                                                                                                      |
| Compatibility with adjacent building materials | DIN 18542                        | requirements fulfilled                                                                                                                         |
| Dimension tolerance                            | DIN 7715 TP P3                   | requirements fulfilled                                                                                                                         |
| Building material class                        | DIN 4102                         | B1 (fire resistant)                                                                                                                            |
| Thermal conductivity                           | DIN EN 12667                     | $\lambda_{10, \text{tr}} \leq 0.049 \text{ W} / \text{m} \cdot \text{K}$                                                                       |
| U-value for tape width 65 mm / 70 mm / 75 mm   | DIN 4108-3                       | $U = 0.8 \text{ W} / (\text{m}^2 \cdot \text{K}) / 0.7 \text{ W} / (\text{m}^2 \cdot \text{K}) / 0.65 \text{ W} / (\text{m}^2 \cdot \text{K})$ |
| Sound reduction                                |                                  | up to 54 dB                                                                                                                                    |
| Humidity management                            | DIN 4108-3<br>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 $+20^{\circ}\text{C}$                                                                                                  |

| Area of application**<br>joint width<br>(MF 1)          | Roll length<br>(metres) | Tape width (mm) / Carton contents (metres) |     |     |     |     |     |     |    |    |    |     |      |
|---------------------------------------------------------|-------------------------|--------------------------------------------|-----|-----|-----|-----|-----|-----|----|----|----|-----|------|
|                                                         |                         | 30                                         | 35  | 60  | 64  | 70  | 74  | 80  | 84 | 90 | 94 | 100 | 104  |
| ISO-BLOCO MULTITEC                                      |                         |                                            |     |     |     |     |     |     |    |    |    |     |      |
| S / 4 – 10mm                                            | 22.5                    | –                                          | –   | 135 | 135 | 113 | 113 | 113 | 90 | 90 | 90 | 90  | 67.5 |
| M / 6 – 20mm                                            | 15                      | –                                          | –   | 90  | 90  | 75  | 75  | 75  | 60 | 60 | 60 | 60  | 45   |
| L / 10 – 30mm                                           | 10                      | –                                          | –   | 60  | 60  | 50  | 50  | 50  | 40 | 40 | 40 | 40  | 30   |
| ISO-BLOCO MULTITEC SBA (especially for sill connection) |                         |                                            |     |     |     |     |     |     |    |    |    |     |      |
| M / 6 – 20mm                                            | 15                      | 165                                        | 150 | –   | –   | –   | –   | –   | –  | –  | –  | –   | –    |

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

## ACCESSORIES

ISO-TOP FLEX-ADHESIVE XP for gluing tape joints



3-level functional design (diagram)