PRODUCT DATA SHEET
ISO-BLOCO MULTITEC TIMBER EDITION

ISO CHEMIE
Use the blue technology.

ISOµ timber building sealing

10 YEAR · FUNCTION WARRANTY · FUNCTION WARRANTY ·

PRODUCT DESCRIPTION

ISO-BLOCO MULTITEC „TIMBER EDITION" is a 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. It was specially developed for prefabricated timber and log construction. This hybrid combination of flexible, impregnated foam and an air tight, moisture-regulating foil membrane layer allows reliable and cost-effective joint sealing with an inner barrier membrane to minimise the water penetration depth. Specifically tailored to the narrow joints in prefabricated timber construction, the timber construction aspect of ISO-BLOCO MULTITEC „TIMBER EDITION" allows sufficient space for installation, with special emphasis on cost-effectiveness.

APPLICATION

ISO-BLOCO MULTITEC „TIMBER EDITION" is the hybrid further development of conventional multi-functional tapes with inner foil barrier layer. It is ideal for sealing joints in pre-fabricated timber construction, timber frame house building, when extending roof space in the gable and dormer area and when creating air tightness in log houses. Widths can be custom manufactured with thicknesses dimensioned to suit, so this tape meets the specific requirements and offers optimum solutions for timber construction. In addition to the airtightness, which clearly exceeds the requirements set out in standards, the multi-functional tape keeps the connection area dry and protects the building structure with its inner barrier membrane.

PRODUCT ADVANTAGES

· perfectly tailored to the requirements of timber construction
· improved airtightness thanks to integrated membrane film
· ensures dry connection areas
· matching joint function range
· exceeds airtightness requirements in standards
· widths can be custom manufactured
· high adaptability in joints between timber logs
· weather-resistant without additional measures (MF1)
· reduces the water penetration depth
· 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: 30 m

DIN 18542-2020 ift tested MF1

GEV-EMICODE EC1 PLUS very low emission

PATENT-PENDING

ISO-BLOCO MULTITEC TIMBER EDITION

Technical data	Standard	Classification
Material description		impregnated PUR flexible foam with hybrid technology
Colour		anthracite
Impermeable to driving rain, single joint	DIN EN 1027	$\geq 600\,Pa$
Temperature stability range	DIN 18542	-30°C to +80°C
Classification according to	DIN 18542-2020	MF 1
Air permeability coefficient	DIN EN 12114	$a < 0.05\,m^3/[h \cdot m \cdot (daPa)^{2/3}]$
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	$\lambda_{10,tr} \leq 0.049\,W/m \cdot K$
U-value for tape width 65 mm / 70 mm / 75 mm	DIN 4108-3	$U = 0.8\,W/(m^2 \cdot K) / 0.7\,W/(m^2 \cdot K) / 0.65\,W/(m^2 \cdot K)$
Sound reduction		up to 54 dB
Humidity management		inside tighter than outside due to foil membrane
Shelf life		1 year, dry and in original packing
Storage temperature		+1 °C to +20 °C

Tape width / area of application	Area of application joint width*	Carton (metres)
60 mm	4 – 10 mm	180
64 mm	4 – 10 mm	180
70 mm	4 – 10 mm	150
74 mm	4 – 10 mm	150
80 mm	4 – 10 mm	150
84 mm	4 – 10 mm	120
90 mm	4 – 10 mm	120
94 mm	4 – 10 mm	120
100 mm	4 – 10 mm	120
104 mm	4 – 10 mm	90
114 mm	4 – 10 mm	90
124 mm	4 – 10 mm	90
134 mm	4 – 10 mm	90
144 mm	4 – 10 mm	60
154 mm	4 – 10 mm	60
164 mm	4 – 10 mm	60
174 mm	4 – 10 mm	60
184 mm	4 – 10 mm	60
194 mm	4 – 10 mm	60

* Movements in structural elements and temporary longitude changes are to be taken into account when determining the max. joint width.