PRODUCT DATA SHEET
ISO-BLOCO XTHERM

ISO³ window sealing

ISO³ facade sealing

ISOµ timber building sealing

10 YEAR FUNCTION WARRANTY · FUNCTION WARRANTY
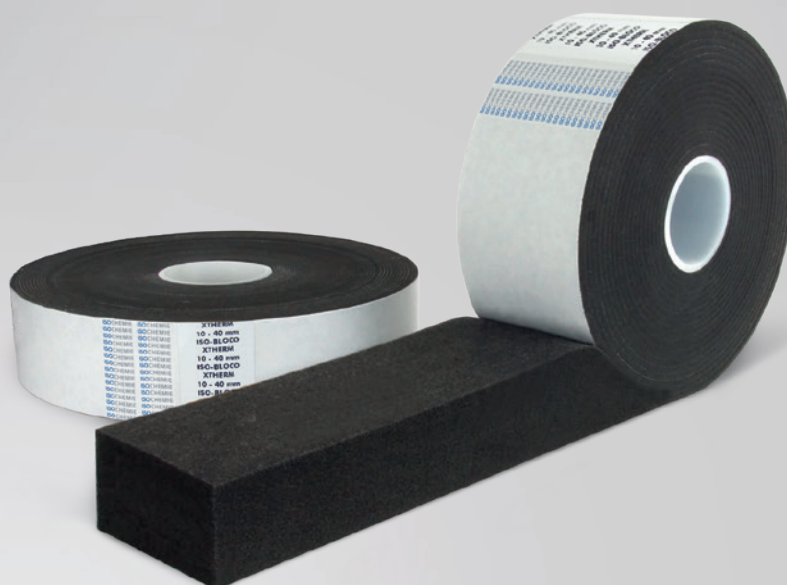
PRODUCT DESCRIPTION

ISO-BLOCO XTHERM is a omni-functional sealing tape with microtherm technology. It was specially developed for thermal insulation that is indirectly exposed to weathering. It is especially suitable for fitting components with larger frame installation depths and commonly available front doors and lift-and-slide doors. It offers excellent thermal insulation properties (Microtherm effect) over the entire installation depth. As it adapts very well to the installation joint, ISO-BLOCO XTHERM also provides excellent sound-proofing.

ISO-BLOCO XTHERM has the properties of a seal that is permeable to vapour diffusion, ensuring that the joint dries out fully.

APPLICATION

· window fitting: ISO-BLOCO XTHERM is easy to fit and saves time during installation in the functional level of window and door connections. The sealing tape is especially suitable for use with lift-and-slide doors.
· facade construction: ISO-BLOCO XTHERM can be used in the facade as a formwork connection or as a contact surface for cast-in-place concrete or concrete elements.
· drywall / timber construction: For interior fittings, it is suitable as a decoupling measure, e.g. for double floors or for use in lightweight partition walls.

PRODUCT ADVANTAGES

· microtherm technology offers low thermal conductivity
· sealing a wide range of joints with only one tape dimension
· easy one step application for a reliable seal
· significant cost advantage through time saving installation during fitting
· can be installed in adverse weather conditions
· acoustic and thermal insulating
· permanently elastic with life long movement capacity
· suitable for lift-and-slide door and front doors
· low tape compression in the joint, reduced compressive stress on lift-and-slide doors in the lintel area
· 10 Year Function Warranty*

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

· roof covering: ISO-BLOCO XTHERM is suitable for decoupling and sealing in purlins and roof windows.

PACKAGING
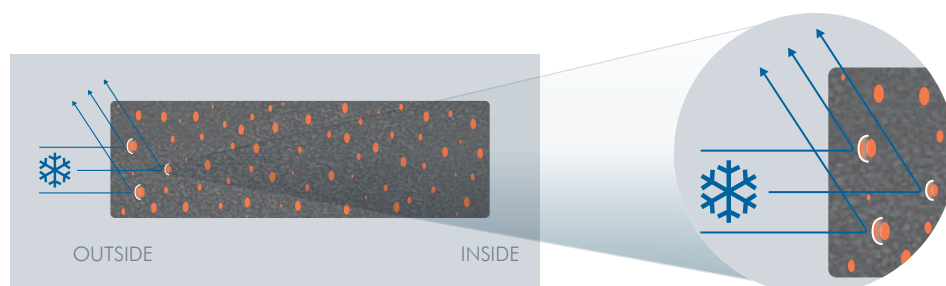
pre-compressed rolls with one side self-adhesive

EC1 PLUS GEV-EMICODE very low emission

PATENT-PENDING

ISO-BLOCO XTHERM

Technical data	Standard	Classification
Material description		impregnated PUR flexible foam
Base material		fire-resistant polymeric dispersion
Colour		black
Joint permeability coefficient	DIN EN 12114	$a < 1.0\,m^3/[h \cdot m \cdot (daPa)^n]$
Impermeable to driving rain	DIN EN 1027	$\geq 300\,Pa$
Temperature stability range	DIN 18542	-30°C to +80°C
UV light and weather stability	DIN 18542	requirements fulfilled
Compatibility with adjacent building materials	DIN 18542	requirements fulfilled
Dimension tolerance	DIN 7715 TP P3	requirements fulfilled
Fire behaviour	DIN EN 13501	class E
Water vapour diffusion resistance μ	DIN EN ISO 12572	≥ 100
Thermal conductivity	DIN EN 12667	$\lambda_{10,tr} \leq 0.0375\,W/m \cdot K$
Steam pressure gradient		vapour permeable
Sound insulation		up to 62 dB*
Shelf life		12 months, dry and in original packaging
Storage temperature		+1 °C to +20 °C

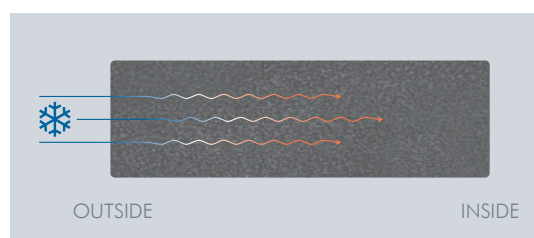* Test set-up with ISO-TOP ACRYLSEAL F on the room side.

Area of application** joint width (as backfill tape)	Area of application** joint width (Impermeable to driving rain 300 Pa)	Roll length (metres)	Tape width (mm) / Carton contents (metres)											
			32	42	52	62	72	82	92	102	112	122	162	192
4 – 16 mm	4 – 12 mm	30	360	270	210	180	150	120	120	90	90	90	60	60
6 – 24 mm	6 – 18 mm	20	240	180	140	120	100	80	80	60	60	60	40	40
8 – 32 mm	8 – 24 mm	15	180	135	150	90	75	60	60	45	45	45	30	30
10 – 40 mm	10 – 30 mm	12		108	84	72	60	48	48	36	36	36	24	24
15 – 60 mm	15 – 45 mm	8				48	40	32	32	24	24	24	16	16

Suitable for joint depths of 35 – 200 mm. 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.

ISO-BLOCO XTHERM with microtherm technology

Sealing tape without microtherm technology