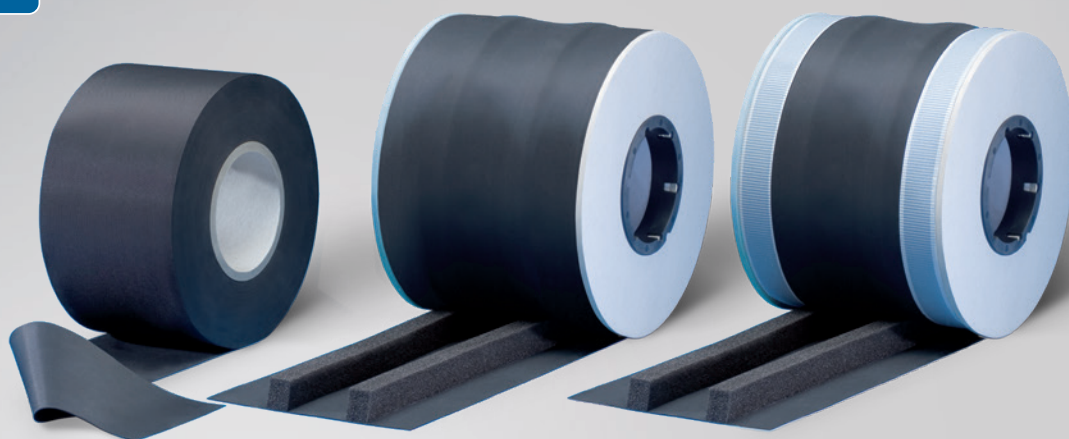


PRODUCT DATA SHEET

ISO-CONNECT HB-BAND



PRODUCT DESCRIPTION

ISO-CONNECT HB-BAND is a highly pressure-resistant sealing strip that is primarily used in timber-framed buildings between the wall sole plate and foundation wall / floor slab as a capillary barrier. It is ideal for sealing against rising damp.

It can be supplied ready prepared with:

- two impregnated foam strips for absorbing tolerances and compensating for irregular masonry surfaces
- two butyl self-adhesive strips for permanent fixing

APPLICATION

ISO-CONNECT HB-BAND is a specially-designed horizontal seal for timber-framed buildings. It prevents moisture migration from the supporting structure to the wall sole plate. With the addition of the impregnated foam strips, it also aids the airtightness and the thermal insulation between the two varying surfaces.

DIMENSIONS

thickness: 0.8 mm (plus impregnated tape, if added)
width: 120, 140, 150, 200, 250, 300, 400 mm
alternative dimensions available on request

PRODUCT ADVANTAGES

- permanent seal
- highly pressure-resistant
- excellent resistance to tearing
- weather resistant and UV stable
- impermeable to water vapour
- bitumen-compatible
- extremely temperature-resistant
- aids airtightness and thermal insulation
- flexible, even at low temperatures

FINISHES

- Finish 1: standard
- Finish 2: VK
with 2 impregnated foam strips (15x20 mm)
- Finish 3: VK-BT
with 2 impregnated foam strips (15x20 mm)
and 2 butyl-adhesive strips (20 mm)

PACKAGING

rolls, roll length: 25 m

ISO-CONNECT HB-BAND

Technical data	Standard	Classification
Material description		synthetic caoutchouc on EPDM basis
Colour		black
Building material class	DIN 13501 T1	E
Air permeability coefficient	DIN EN 12114	airtight $\alpha \leq 0.1 \text{ m}^3/[\text{h} \cdot \text{m} \cdot (\text{daPa})^{2/3}]$
UV stability and ozone resistance	DIN 7864 T1	requirements fulfilled
Water vapour diffusion resistance μ	DIN EN 1931	32,000
Maximum tear resistance	DIN 53504	$\geq 25 \text{ kN/m}$
Tensile strength	DIN 53504	$\geq 6.5 \text{ mPa}$
Elongation at break	DIN 53504	$\geq 300\%$
Handling temperature		+5°C to +35°C
Temperature stability range		-30°C to +100°C
Dimension tolerance	DIN 7715 TP P3	requirements fulfilled
Shelf life and storage temperature		EPDM: unlimited impregnated foam and butyl: 1 year at +1°C to +25°C

PROCESSING

Preparation of the substrate

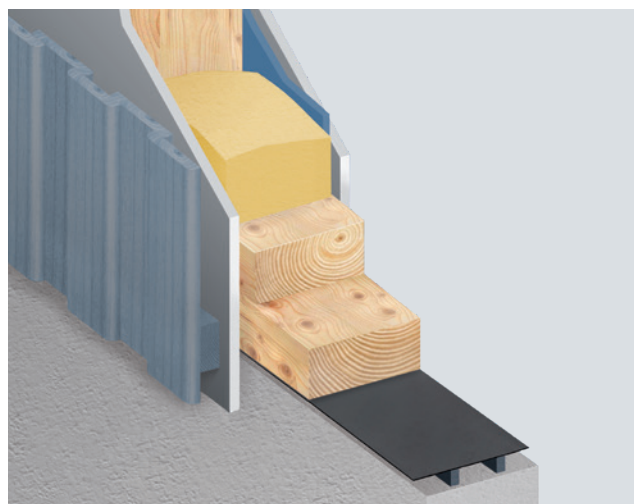
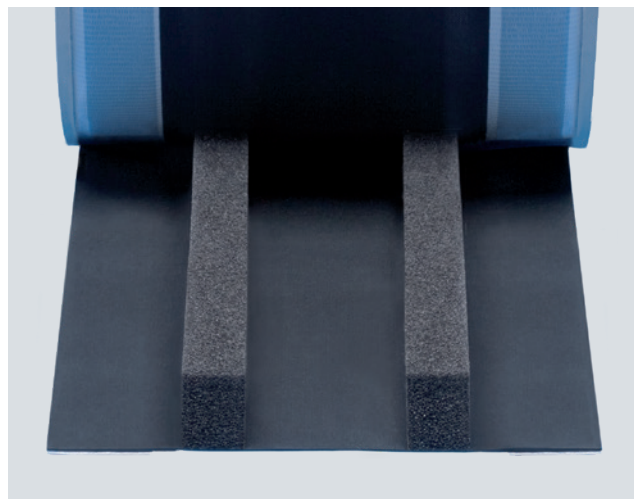
The substrate must be clean, solid, dry and free of solvents.

Using ISO-CONNECT HB-BAND

Run the ISO-CONNECT HB-BAND along the length of either the sole plate, or the foundation wall. Ensure it is flat, but do not stretch, and fix it to the substrate.

- Finish 1 and 2: Fix with staples or flat head nails.
- Finish 3: Fix with double-sided butyl-adhesive tape.
Remove protective film from the adhesive tape, apply the adhesive tape to the substrate and press carefully with a roller. The sealing strip must not be pulled too tightly.

If tapes are joined, allow an overlap of 20 cm. ISO-CONNECT HB-BAND must protrude by roughly 1 – 2 cm on both sides to prevent damp bridges occurring on either side of the wall. The overlaps can be bonded with ISO-TOP FLEX-ADHESIVE XP.



Installation example: ISO-CONNECT HB-BAND