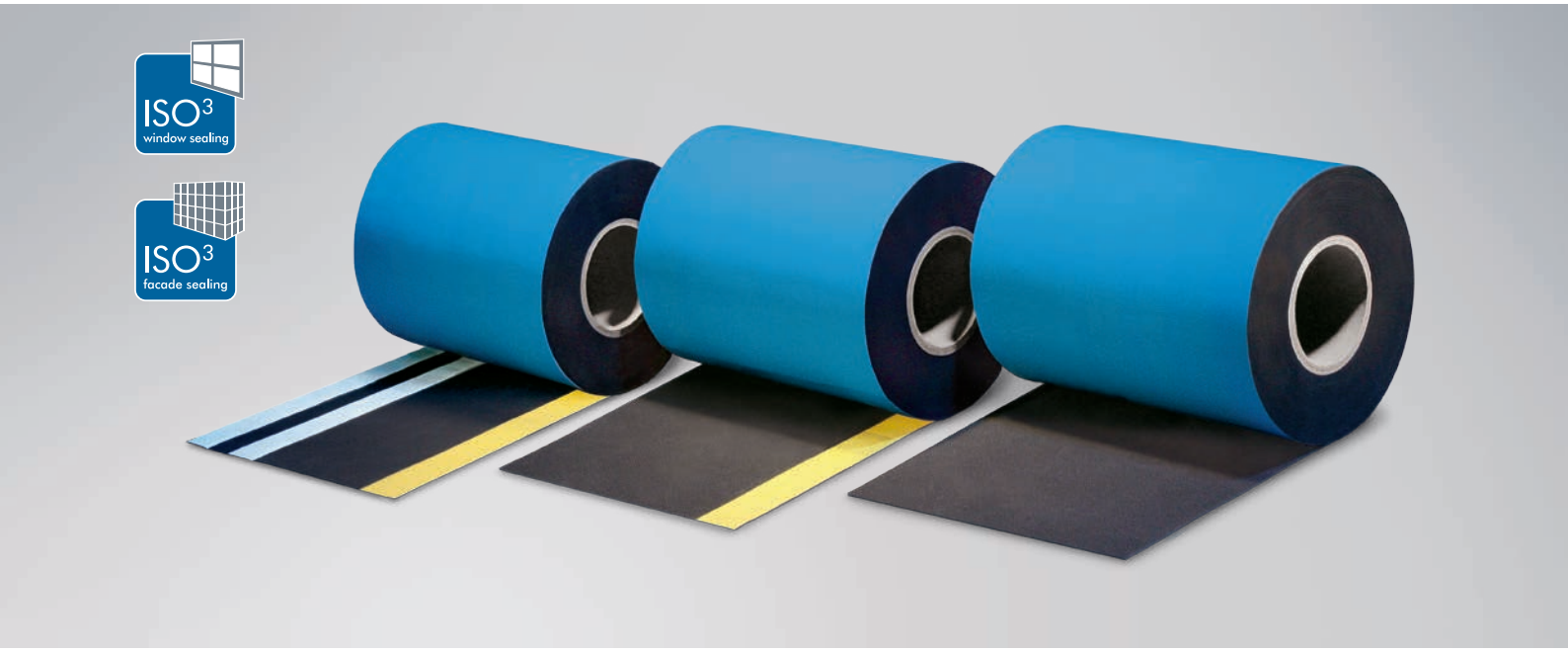
PRODUCT DATA SHEET

ISO-CONNECT OUTSIDE EPDM

ISO CHEMIE
Use the blue technology.



PRODUCT DESCRIPTION

ISO-CONNECT OUTSIDE EPDM is an elastomeric sealing band which serves as an external sealant on windows and facades in accordance with DIN 18195. Through its special, active, breathable membrane it is possible to obtain an excellent weather seal and at the same time guarantee the diffusion properties, making ISO-CONNECT OUTSIDE EPDM particularly suitable for external facade and window sealing projects. It has a thickness of either 0.8 mm or 1.2 mm, and conforms with DIN 7864 T1.

APPLICATION

ISO-CONNECT OUTSIDE EPDM is a special outer sealant, designed in accordance with DIN 18195, for building structures and used as the complete perimeter seal and / or the base seal for doorways and floor fitting windows. In addition it is exceptionally suitable for the external sealing of structural building facades, making ISO-CONNECT OUTSIDE EPDM a versatile and proven sealing product compatible with all major building materials.

FINISHES

- Finish A: without self-adhesive
- Finish B: SK
  single side self-adhesive with 1 self-adhesive strip
- Finish C: BT
  single side self-adhesive with 1 or 2 butyl adhesive strips, subject to product width

PRODUCT ADVANTAGES

- permanent outer sealant
- high elasticity – compensates for joint movement
- extreme temperature and weather resistant
- bitumen compatible

- Finish D: SK-BT
  single side self-adhesive with 1 self-adhesive strip and 1 or 2 butyl adhesive strips, subject to product width

DIMENSIONS

width: 100, 150, 200, 250, 300, 400, 500 mm
(other dimensions available upon request)

PACKAGING

rolls, roll length: 25 m

CE

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ISO-CONNECT OUTSIDE EPDM

Technical data	Standard	Classification
Material description		synthetic caoutchouc on EPDM basis
Colour		black
Building material class	DIN EN 13501	E
Bitumen compatible	DIN 7864 T1	bitumen compatible
UV-stability	DIN 7864 T1	UV-resistant
Ozone resistance	DIN 7864 T1	ozone resistant
Water vapour diffusion resistance μ	DIN EN 1931	≈ 300,000
Material thickness		0.8 mm and 1.2 mm
Elongation at break	DIN 53504	≥ 300 %
Tensile strength	DIN 53504	≥ 6.5 mPa
Tear growth resistance	DIN 53504	≥ 25 kN/m
Temperature stability range		-30 °C to +100 °C
Handling temperature		+5 °C to +35 °C
Dimension tolerance	DIN 7715 T5 P3	requirements fulfilled
Storage temperature		+1 °C to +25 °C
Shelf life		unlimited (EPDM), finishes with adhesive strips 12 months, dry and in original packing

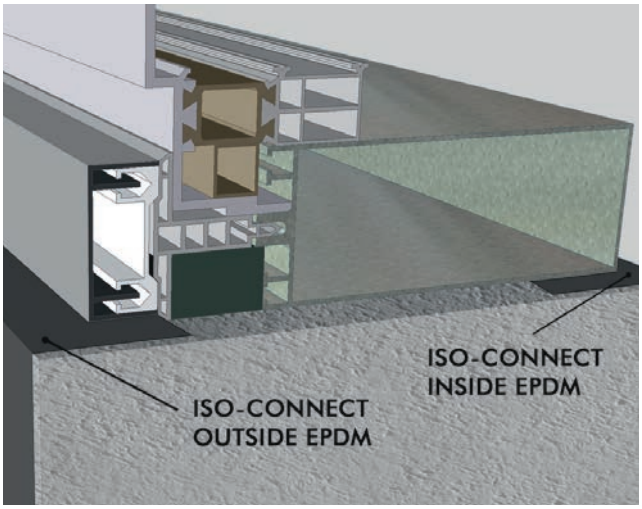
PREPARATION

Unroll ISO-CONNECT OUTSIDE EPDM elastomer sealing band and cut to the required length. The surface must be clean, dry and free from solvents, grease, dust, oil and other anti-adhesive substances.

DIRECTIONS FOR USE

To generate an airtight seal, bond one edge of the band with a gunable solvent free adhesive such as ISO-TOP FLEX-ADHESIVE XP and fix the other edge with mechanical fixings, e. g. clamps or components of the window system as described in DIN 18195. Alternatively, versions B and D are supplied with an acrylic adhesive strip to assist attaching the end to the aluminium window until the mechanical fixings are installed, or a gunned adhesive is applied. When using versions with Butyl adhesive, pre-treat any porous and absorbent surfaces with a suitable primer and then apply the self-adhesive material to the surface. For all adhesive areas use a roller to carefully apply pressure to the area until the product adopts the contours of the facade.

Butyl caoutchouc adhesives are sensitive to solvents. When bonding the complete surface, using a solvent based contact adhesive, coat both the band and the substrate and then carefully press into place.



Installation example ISO³-WINDOW SEALING SYSTEM

The latest version can be found on our website www.iso-chemie.eu

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