

PRODUCT DATA SHEET

ISO-TOP FLEX-ADHESIVE XP



PRODUCT DESCRIPTION

ISO-TOP FLEX-ADHESIVE XP is a high-quality, solvent-free and permanently elastic single-component construction sealant and adhesive based on MS polymer. With its wide adhesion spectrum it is ideal for creating airtight and windtight connections that are also impermeable to driving rain between ISO-CONNECT window connection foils and all standard construction surfaces such as concrete, aerated concrete, rigid PVC, timber, metals and fibreglass. ISO-TOP FLEX-ADHESIVE XP is also suitable for sealing joint sealing tapes and multi-functional joint sealing tapes in corners and butt joints, plus many other construction applications. ISO-TOP FLEX-ADHESIVE XP adheres even to slightly damp surfaces without primer.

APPLICATION

- use in connection joints, e.g. between facade elements, connection joints around window frames, joints in the masonry, concrete, etc.
- bonding and sealing when using window connection foils such as ISO-CONNECT INSIDE & OUTSIDE „BLUE LINE“, FD, EPDM, KSK SEAL, VARIO SD and XD (fleece and foil sides), construction sheeting, joint sealing tapes such as ISO-BLOCO 300 & 600 and multi-functional joint sealing tapes such as ISO-BLOCO HYBRATEC, ONE, MULTITEC and MULTI-FUNCTIONAL TAPE (corner bonding)
- bonds in the vicinity of structural components made from all standard materials such as plaster edges, window walls, panels, sheets and prefabricated elements

PRODUCT ADVANTAGES

- ready for use immediately
 - can be used without primer even on slightly damp surfaces
 - creates airtight connections conforming to RAL, DIN 4108-7, GEG and Austrian standards
 - tested adhesive for bonding all window connection foils, including EPDM
 - can be used very easily even at low temperatures
 - permanently elastic
 - suitable for bonding to natural stone
 - fast skin forming
 - very low-emission (EC1^{PLUS})
 - high resistance to ageing, weather and UV
 - contains no solvents, isocyanates, halogens or acids
 - constant quality conforming to DIN standards and regularly tested by external institutes
 - complies with ISO 11600 F-25LM
 - compatible with paint coatings / can be painted over
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- joint seals in facades, wall and floors
 - bonding of joints adjacent to natural stone blocks
 - adhesive for repairing existing MS polymer and hybrid polymer defects



ISO-TOP FLEX-ADHESIVE XP

Technical data	Standard	Classification
Colour		black
Base		MS polymer
Curing		moisture-curing
Consistency		low-viscosity - paste-like
Density in g / cm ³	DIN 53479 DIN EN ISO 845	approx. 1.5
Skin forming		approx. 25 minutes
Curing speed		approx. 2 mm / 24 h
GEV-EMICODE®		EC1 ^{plus}
Temperature stability range		-40 °C to +90 °C
Yield		coverage according to surface roughness and for an 8 mm bead, roughly 10 m / tube
Shore A hardness	DIN EN ISO 868	approx. 25
Modulus of elasticity	DIN 53504	0.4 N / mm ²
Tensile strength	DIN 53504	approx. 1.3 N / mm ²
Elongation at break		> 900%
sd value		approx. 3.7 m for 10 mm
Building material class / fire behaviour	DIN 13501-1	class E
Handling temperature		0 °C to +40 °C
Shelf life		12 months, in original packaging and stored dry
Storage temperature		+5 °C to +25 °C

Measured in accordance with DIN EN ISO 291 standard climate at 23 °C / 50 % RH, values can vary through environmental factors (temperature, moisture, surface).

PROCESSING

The surface to be bonded must be dry, sound, stable and free of release agents such as dust, oil or grease. Large recesses should be filled first. Normal surface irregularities can be compensated by applying sufficient adhesive. Pre-treat porous and highly absorbent surfaces with ISO-TOP BLUE PRIMER, if necessary. Apply an 8 to 10 mm bead to the surface. Loosely apply foil, fleece, cardboard or paper to the uncured adhesive bead without pressure or stretching. Then press into place using a suitable tool. For window connection foils, apply sufficient ISO-TOP FLEX-ADHESIVE XP to guarantee a layer of adhesive at least 30 mm wide and at least 1 mm thick after pressing the foil into place. According to the applicable standards, e.g. DIN 18540, flexible sealants should not be over-painted over the entire surface since cracks can form in the non-flexible paint coating when exposed to stretching or movement. Suitable for all standard construction surfaces such as aluminium, concrete, stainless steel, iron, fibre cement, wood, sand-lime brick, ceramic, plastic strip, copper, natural stone / marble, etc. We recommend carrying out an adhesion and compatibility test on any surface before starting work. Not suitable for PP, PE, PTFE, neoprene or silicone.

HEALTH AND SAFETY

Please refer to our EC safety data sheets for hazard notices, safety advice, storage conditions, disposal notes and transport marking information.

PACKAGING

12 tubular bags (of 600 ml) per box