

# PRODUCT DATA SHEET

## ISO-TOP FLEX-ADHESIVE HP



### PRODUCT DESCRIPTION

ISO-TOP FLEX-ADHESIVE HP is a high-quality, solvent-free and permanently flexible single-component construction adhesive based on MS polymer. With its excellent bonding characteristics, it is ideal for creating airtight and windtight connections that are also impermeable to driving rain when used in combination with ISO-CONNECT window connection foils. ISO-TOP FLEX-ADHESIVE HP is also recommended for bonding trims made from PVC and wood when such applications require premium quality bonding onto standard structural materials such as wood, stone, concrete, glass, metal and plastic.

### APPLICATION

- bonding and sealing when using window connection foils such as ISO-CONNECT INSIDE & OUTSIDE „BLUE LINE“, INSIDE FD, VARIO SD and XD (fleece and foil sides), construction foils, joint sealing tapes such as ISO-BLOCO 300 & 600 and multi-functional joint sealing tapes such as ISO-BLOCO ONE (for forming corners)
- use in connection joints, e.g. between facade elements, connection joints around window frames, joints in the masonry, concrete, etc.
- bonding of COMPLETE finishes to difficult substrates
- joint seals in facades, walls and floors
- bonding in the vicinity of structural components made from all standard materials such as plaster edges, window walls, panels, sheets and prefabricated elements

### PRODUCT ADVANTAGES

- very good usually primerless adhesion to almost all surfaces
  - for air-impermeable connections in accordance with RAL, DIN 4108-7, GEG, and Austrian standards
  - tested adhesive for bonding ISO-CONNECT window connection foils
  - flexible sealing adhesive
  - suitable for bonding to natural stone
  - very low-emission (EC1<sup>PLUS</sup>)
  - great resistance to ageing, weather and UV
  - contains no solvents, isocyanates, halogens or acids
  - constant quality, DIN-standards which are regularly examined by external institutions
  - conforms to EN 15651-1: 25 HM
  - compatible with paint coatings / can be painted over
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- bonding of joints adjacent to or between natural stone blocks
  - adhesive for repairing existing MS polymer and hybrid polymer defects



# ISO-TOP FLEX-ADHESIVE HP

Technical data	Standard	Classification
Colour		white
Base material		MS polymer
Curing		moisture-curing
Consistency		low-viscosity – paste-like
Density in g/cm <sup>3</sup>	DIN 53479 DIN EN ISO 845	approx. 1.4
Skin forming*		approx. 20 minutes
Curing speed*		approx. 2 mm/24 h
GEV-EMICODE®		EC1 <sup>plus</sup>
Temperature stability range		-40°C to +100°C
Yield		coverage depending on surface structure and for an 8 mm bead, approx. 10 m / tubular bag
Shore A hardness	DIN EN ISO 868	approx. 35
Elasticity module	DIN 53504	0.73 N/mm <sup>2</sup>
Tensile strength	DIN 53504	approx. 1.28 N/mm <sup>2</sup>
Elongation at break		> 300%
sd-value		approx. 3.9 m for 10 mm
Building material class / fire behaviour	DIN EN 13501-1	class E
Processing temperature		+5°C to +40°C lowest application temperature -5°C, depending on surface, material and external temperature
Shelf life		12 months, in original packaging and stored dry
Storage temperature		+5°C to +40°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 application surface must be dry, sound, stable and free of cleaning agents such as dust, oil and fat. Fill out large surface voids in advance. Normal surface irregularities can be compensated by applying sufficient adhesive. Porous surfaces can, if necessary, be pre-treated with ISO-TOP BLUE PRIMER. Apply bead of 8 to 10 mm on to the surface. Apply the foil, fleece, paperboard or paper without tension; meaning with a loop on to the freshly (no build up of skin) applied adhesive bead and press down lightly with appropriate tools. When installing window foil sealants apply sufficient ISO-TOP FLEX-ADHESIVE HP to assure that after the window foil has been rolled into place the width of the adhesive is at least 30 mm wide and at least 1 mm thick. According to related standards (e.g. DIN 18540) elastic sealants should not be completely painted over, as tension and movement in the non-elastic paint may occur and could cause cracking. Suitable for all conventional substrates such as anodised aluminium, concrete, stainless steel, iron, fibre cement, plasterboard, glass, wood, sand-lime brick, ceramic, plastic strip, copper, natural stone / marble, aircrete, plaster, PVC, expanded polystyrene, zinc, etc. It is advisable to do a preliminary bonding and compatibility test on all surfaces. Not suitable for PP, PE, PTFE, neoprene, silicone and bituminous substrates.

## WORK SAFETY

Please refer to our EC safety data sheets for hazards, safety tips and storage, disposal and transportation marking.

## PACKAGING

12 tubular bags (of 600 ml) per box including application nozzle

## ACCESSORIES

ISO-TOP PRESSFIX for efficient application

The details and information given in this literature are based on best current knowledge. They are intended to serve as general information only and it is advised that the user conducts their own tests for their specific set of conditions to determine the suitability of the product for its proposed use. No warranty or liability is given or implied regarding any part of these instructions or details, or the completeness of the information. We reserve the right to modify, or change, the specifications and information without advance notification. All goods are supplied subject to our standard conditions of sales, copies of which are available upon request.