

# ISO-TOP Flex-adhesive



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## Product description

ISO-TOP Flex-adhesives are high quality sealants and adhesives, with a wide adhesive spectrum.

## Applications

They are suitable, in accordance to DIN 4108-7, for a reliable, air-impermeable bonding on window connections foils.

ISO-TOP Flex-adhesives are specially designed reliable bonding agents for window connections foils, fleece and paper in building constructions, providing an air-impermeable connection to masonry work.

## Product advantages

- ISO-TOP Flex-adhesives are suitable for air-impermeable connections in accordance with the application examples of DIN 4108-7
- makes an air-impermeable connection between foil and building structures (masonry work, concrete, stone, plaster and anodised aluminium) possible
- very good bond to all commercial window connection foils
- air-impermeable finish on openings
- DIN standardised quality and regulatory controls from external institutions



Installation example: iso<sup>3</sup>-Window Sealing System

## Service

- standard sizes available from stock
- competent experienced technical support available in the field and by phone

## Packaging

- ISO-TOP Flex-adhesive SP: carton of 12 tubes (600 ml)
  - ISO-TOP Flex-adhesive SP+: carton of 20 tubes (600 ml)\*
  - ISO-TOP Flex-adhesive XP: carton of 12 tubes (600 ml)
- \*(modified for damp surfaces)

# ISO-TOP Flex-adhesive

## Technical Data

ISO-TOP Flex-adhesive	SP	SP+	XP
Material description	soft elastic special polymer	soft elastic special polymer	soft elastic special polymer
Colour	white	grey	black
Base	1-K-acrylate dispersion solvent-free, fungicide-free	modified special polymer, solvent, fungicide-free	MS Polymer, solvent-free fungicide-free
Consistence	paste	paste	paste
Density DIN EN ISO 2811-1	1,7 g/ml	1,4 g/ml	1,5 g/ml
Application temperature: Ambient temperature Bonding surface temperature	+5 °C to +40 °C +5 °C to +35 °C	-5 °C to +40 °C -5 °C to +40 °C	0 °C to +40 °C 0 °C to +35 °C
Curing process	physical drying	absorption of humidity; at temperatures below +5 °C curing is delayed	polymerisation through humidity at room temperature
Temperature stability	-20 °C to +80 °C	-30 °C to +80 °C	-40 °C to +90 °C
Skin forming	approx. 20 minutes	approx. 15 minutes	approx. 10 minutes
Curing speed*	approx. 2 mm/24 h	approx. 2 mm/24 h	approx. 2 mm/24 h
Coverage	depending on surface structure and a bead of 8 mm x 8 mm, approx. 10 m		
Building material class (DIN 4102 part 1)	B2	B2	B2
Shelf life	up to 12 months, in a cool and dry place, in original packing	up to 9 months, in a cool and dry place, in original packing	up to 12 months, in a cool and dry place, in original packing
Storage temperature	+5 °C to +25 °C	+5 °C to +25 °C	+5 °C to +25 °C
Especially suitable for	ISO-CONNECT <i>Outside CX</i> ISO-CONNECT <i>Inside CX</i> ISO-CONNECT <i>Outside FD</i> ISO-CONNECT <i>Inside FD</i>	ISO-CONNECT <i>Outside CX</i> ISO-CONNECT <i>Inside CX</i> ISO-CONNECT <i>Outside FD</i> ISO-CONNECT <i>Inside FD</i> ISO-CONNECT <i>Vario SD</i>	ISO-CONNECT <i>Vario SD</i> ISO-CONNECT <i>EPDM</i>

\* 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 stable, firm, free of dust, cleaning agents, oil and fat. Fill out large surface voids in advance. Normal surface irregularities can be compensated for by adding sufficient adhesive.

Porous surfaces can, if necessary, be pre-treated with ISO-TOP *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* to assure that after the window foil has been pressed 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.

It is advisable to do a preliminary bonding and compatibility test on all surfaces.

## Work Safety

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

## Additional products

- ISO-CONNECT special foils and EPDM sealing tapes for a professional window sealing in accordance with EnEV requirements, RAL window installation principals
- ISO-BLOCO *One / One Control* multifunctional, 3-level-principal, all-in-one joint sealing tapes, with a minimum protection of 1000 Pa and full airtightness
- ISO-ZELL for sealing and thermal insulation of construction elements, including windows
- ISO-TOP *Power-tape* and *Flex-tape* for air and vapour impermeable bonding of vapour barrier foils and wood underlays

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