

PRODUCT DATA SHEET

ISO-TOP FLEX-ADHESIVE



PRODUCT DESCRIPTION

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

APPLICATION

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.

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

SERVICE

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

PACKAGING

- ISO-TOP FLEX-ADHESIVE XP:
carton of 12 tubes (e 600 ml)
- ISO-TOP FLEX-ADHESIVE SP:
carton of 12 tubes (e 600 ml)
- ISO-TOP FLEX-ADHESIVE SP+ :
carton of 20 tubes (e 600 ml)*
- ISO-TOP FLEX-ADHESIVE PA:
carton of 12 cartridges (e 310 ml)

*Modified for damp surfaces.

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-TOP FLEX-ADHESIVE SP

ISO-TOP FLEX-ADHESIVE

Technical data	XP	SP	SP+	PA
Material description	soft elastic special polymer			
Colour	black	white	grey	light blue
Base	MS Polymer, solvent-free	1-K-acrylate dispersion solvent-free	modified special polymer, solvent	acrylate dispersion
Consistence	paste			
Density in g/ml	approx. 1.5	approx. 1.7	approx. 1.4	approx. 1.2
Application temperature:				
Ambient temperature	0°C to +40°C	+5°C to +40°C	-5°C to +40°C	+5°C to +40°C
Bonding surface temp.	0°C to +35°C	+5°C to +35°C	-5°C to +40°C	+5°C to +40°C
Curing process	polymerisation through humidity at room temperature	physical drying	absorption of humidity; at temperatures below +5°C curing is delayed	physical drying
Temperature stability	-40°C to +90°C	-20°C to +80°C	-30°C to +80°C	-40°C to +100°C
Skin forming	approx. 10 minutes	approx. 20 minutes	approx. 15 minutes	permanently sticky
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 8x8 mm, approx. 10 m			8mm bead, approx. 6m
Building material class (DIN 4102 part 1)	B2			
Building material class 13501	class E			
Shelf life	in a cool and dry place (+5°C to +25°C) up to 12 months after production date	in a cool and dry place (+5°C to +25°C) up to 12 months after production date, protect from frost	up to 9 months	in a cool and dry place (+5°C to +40°C) up to 24 months after production date
Especially suitable for	ISO-CONNECT - INSIDE & OUTSIDE CX - INSIDE & OUTSIDE FD - INSIDE & OUTSIDE EPDM - KSK SEAL - VARIO SD - VARIO XD (fleece side) ISO-BLOCO - ONE (corner bonding) - 300 & 600 (additional sealing)	ISO-CONNECT - INSIDE & OUTSIDE CX - INSIDE & OUTSIDE FD - VARIO XD (fleece side)	ISO-CONNECT - INSIDE & OUTSIDE CX - INSIDE & OUTSIDE FD - VARIO SD - VARIO XD (fleece side)	ISO-CONNECT - INSIDE CX - INSIDE FD - VARIO SD & VARIO XD - INSIDE EPDM (perimeter area) - REVEALSEAL ISO-BLOCO - ONE, ONE CONTROL & RENO (corner bonding)

* 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 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 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.

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.