

PRODUCT DATA SHEET

ISO-TOP FLEX-ADHESIVE B



PRODUCT DESCRIPTION

ISO-TOP FLEX-ADHESIVE B is a high-quality, solvent-free and permanently flexible single-component construction sealant and adhesive based on neutral silicone. With its good temperature stability and broad adhesion spectrum it is ideal for creating connections that are airtight, windtight and impermeable to driving rain between the ISO-CONNECT FLAME B window connection foil and all standard construction surfaces such as concrete, aerated concrete, rigid PVC, timber, metals and fibreglass.

APPLICATION

- bonding and sealing when using the ISO-CONNECT FLAME B window connection foil
- use in connection joints, e.g. between facade elements, connection joints around window frames, joints in the masonry, concrete, etc.
- bonds in the vicinity of structural components made from all standard materials such as plaster edges, window walls, panels, sheets and prefabricated elements
- joint seals in expansion and butt joints in metal buildings

PRODUCT ADVANTAGES

- reaction to fire B-s1, d0 (fire resistant) as defined in DIN EN 13501
- high initial adhesion
- building material class B1 as defined in DIN 4102
- heat resistant
- permanent sealing / bonding to the wall material
- very easy to use
- broad adhesion spectrum
- flexible after curing
- non-corrosive
- Resistant to weathering and UV



ISO-TOP FLEX-ADHESIVE B

Technical data	Standard	Classification
Colour		black
Base		based on neutral-curing oxime
Consistency		paste-like
Building material class	DIN 4102	B1*
Fire behaviour	DIN EN 13501	B-s1, d0 (fire resistant)
Density in g/cm ³	DIN 1183-1	1.35
Curing system		Polymerisation through air humidity at room temperature
Skin forming		approx. 15 to 30 minutes
Curing speed		approx. 2 to 3 mm/24 hours
Shore A hardness	DIN EN ISO 868	approx. 24
Temperature stability range		-60 °C to +150 °C
Maximum permissible total deformation	DIN EN ISO 11 600	25%
Elasticity module 100%	DIN EN ISO 8339	0.42 N/mm ²
Shrinkage	DIN EN ISO 10563	<10%
Yield from 600 ml tubular bag		for triangular nozzle cut with opening size: depending on surface roughness - 6/6 mm approx. 20 m - 8/8 mm approx. 14 m
Handling temperature		+5 °C (frost-free) up to +40 °C (ambient temperature) +5 °C (frost-free) up to +35 °C (temperature of adhesive surface)
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).

* Fire resistant (DIN 4102-B1) between solid mineral materials.

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. Apply an 8 to 10 mm bead to the surface. Apply sufficient ISO-TOP FLEX-ADHESIVE B to guarantee a layer of adhesive at least 30 mm wide and at least 1 mm thick after pressing the foil into place. Loosely apply ISO-CONNECT FLAME B, i.e. with a loop to allow movement, to the uncured adhesive bead. Then press or roll into place using a suitable tool. Suitable for all standard construction surfaces such as aluminium, concrete, stainless steel, iron, wood, sand-lime brick, plastic strip, copper, 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

20 tubular bags (of 600 ml) per box