

PRODUCT DATA SHEET

ISO-TOP FLEX-ADHESIVE WF



PRODUCT DESCRIPTION

ISO-TOP FLEX-ADHESIVE WF is a high-quality, neutral, single-component, permanently flexible adhesive on a hybrid polymer basis, specially developed for gluing the IN FRONT OF WALL INSTALLATION SYSTEM ISO-TOP WINFRAMER.

APPLICATION

- tension-free structural adhesion of the IN FRONT OF WALL INSTALLATION SYSTEM ISO-TOP WINFRAMER
- sealing and gluing applications for the corner connection

PROCESSING

ISO-TOP FLEX-ADHESIVE WF usually requires no primer and still has outstanding adhesive properties on numerous surfaces including aerated concrete, vertical coring bricks, limestone, sandstone, concrete, polystyrene and timber. The adhesive surfaces must have a sufficient load-bearing capacity and be clean, dust- and grease-free. Dry surfaces are particularly suitable; the best adhesive values are achieved here.

ISO-TOP FLEX-ADHESIVE WF also bonds to moist surfaces. However, the bond may be less strong than the one achieved for dry and clean surfaces. Porous surfaces such as aerated concrete with a high water load should be pre-treated with ISO-TOP BLUE PRIMER if necessary. It is advisable to carry out an adhesion and compatibility test on any surface before starting work.

PRODUCT ADVANTAGES

- high initial adhesion
- very good processing
- very good usually primerless adhesion to almost all (even moist) surfaces
- permanently flexible after curing
- non-corrosive
- waterproof
- compensates unevenness and material tensions
- blister-free curing even at high temperatures
- free of silicone, solvents, halogens, acids and isocyanate
- can be painted over well as per DIN 52452-A1
- colour-fast, resistant to weathering and UV

Curing is effected by air humidity at room temperature and takes place from outside to inside, slowing as time progresses. At low temperature and / or low humidity, the curing process is slowed significantly.

For further information regarding the adhesion of the in front of wall installation system please refer to the installation instructions.



ISO-TOP FLEX ADHESIVE WF

Technical data	Standard	Classification
Colour		white
Base		1-component hybrid polymer
Consistence		paste
Density in g/ml	DIN 53479	approx. 1.67
Curing system		polymerisation through air humidity at room temperature
Skin forming*		approx. 10 minutes
Curing speed*		2 to 3 mm/24h
Shore A hardness	DIN 53505	40 ± 5
Temperature stability range		-40°C to +90°C
Re-expansion capacity	ISO 7389-B	> 75%
Maximum permissible total deformation	DIN EN ISO 11 600	20%
Elasticity module 100%	DIN EN ISO 8339	0.75 N/mm ²
Tensile strength	DIN 53504	1.8 N/mm ²
Tensile shear strength (Surface: AlMgSi1 / Layer thickness: 2 mm / Feed speed: 10 mm per min.)	DIN 53504	0.9 N/mm ²
Elongation at break	DIN 53504	750%
Change in volume	DIN EN ISO 10563	-3 to -4 Vol.%
Fire behaviour	DIN 4102 Part 1	B2
Processing temperature		+0°C (frost-free) up to +40°C (ambient temperature) +0°C (frost-free) up to +35°C (temperature of adhesive surfaces)
Shelf life		1 year, in original packaging and stored dry
Storage temperature		+5°C to +25°C

* Measured according to standard climate DIN EN ISO 291 at 23°C / 50% RH. These values may vary depending on environmental factors such as temperature, moisture and type of substrates.

HEALTH AND SAFETY

Further information on product safety and handling can be found in the notes on the sales container and in the installation instructions of IN FRONT OF WALL INSTALLATION SYSTEM ISO-TOP WINFRAMER.

PACKAGING

12 PE cartridges (e 470 g) per box

ACCESSORIES

ISO-TOP EASYPRESS for efficient processing



Installation example: ISO-TOP FLEX-ADHESIVE WF