# PRODUCT DATA SHEET
## ISO-TOP FLEX-ADHESIVE WF



illustration purposes only

ISO³ window sealing

ISOµ timber building sealing

ISOᴱ external wall sealing

## PRODUCT DESCRIPTION

ISO-TOP FLEX-ADHESIVE WF is a high-quality, neutral, single-component, permanently flexible adhesive and sealant on a hybrid polymer basis, specially developed for gluing and sealing 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 and to the wall material

## 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
- permanent sealing / gluing to the wall material
- 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 and sealing 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 |
| Consistency | | 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/mm² |
| Tensile strength | DIN 53504 | 1.8 N/mm² |
| Tensile shear strength (Surface: AlMgSi1 / Layer thickness: 2 mm / Feed speed: 10 mm per min.) | DIN 53504 | 0.9 N/mm² |
| Elongation at break | DIN 53504 | 750% |
| Change in volume | DIN EN ISO 10563 | -3 to -4 Vol.% |
| Fire behaviour | DIN 4102 Part 1 | B2 |
| Yield from 600 ml tubular bag depending on surface roughness | | for triangular nozzle cut with opening size: - 6/6 mm approx. 20 m - 8/8 mm approx. 14 m |
| 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 in accordance with DIN EN ISO 291 standard climate at 23°C / 50 % RH, values can vary through environmental factors (temperature, moisture, surface).

\* If the specified triangular adhesive / sealant beads dimension is exceeded, the length output is reduced accordingly. With regard to the quantity used when installing ISO-TOP WINFRAMER componen ts, the specifications of the installation instructions must also be observed. Use the ISO-TOP WINFRAMER CALCULATION TOOL in the ISO-PORTAL for precise calculation.

## 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 tubular bags (of 600 ml) per box

## ACCESSORIES

ISO-TOP PRESSFIX for efficient processing



Installation example: ISO-TOP FLEX-ADHESIVE WF