



Product

ISO-TOP FLEKKLEBER WF is a neutral, one-component quality mastic adhesive with permanent elasticity, composed of hybrid polymers. This adhesive was especially developed for bonding ISO-TOP WINFRAMER, a system of thermal and acoustic insulation in the form of a moulded L-profile and an insulating core, used to support overflow joinery.

Application examples

- gluing of the ISO-TOP WINFRAMER system without tension
- sealing and bonding of joints

Colour

White

Packaging

Box with 12 sausages of 600 ml

Advantages/properties

- ✓ good initial tack
- ✓ very good adhesion on almost all substrates (even damp)
- ✓ permanent elasticity after curing
- ✓ non corrosive
- ✓ Waterproof
- ✓ compensates for tensions and irregularities in surfaces
- ✓ Curing without bubbles, even at high temperatures
- ✓ does not contain silicones, solvents, halogens, acids or iso-cyanates
- ✓ very well paintable according to DIN AI 52452 A1
- ✓ resistant to adverse weather conditions and UV radiation

ISO-TOP FLEKKLEBER WF adheres excellently, without primer, to a wide range of substrates such as hollow concrete bricks, sand-lime bricks, polystyrene and wood.

The substrates must have sufficient load-bearing capacity so that the mastic can adhere to it. The substrates must of course be clean, without dust or grease. Dry substrates give the best adhesive results.

ISO-TOP FLEKKLEBER WF also adheres to still damp substrates. The result is of course less satisfactory than with dry and clean substrates.

Materials such as aerated concrete may need to be treated with the ISO-TOP BLUE PRIMER adhesive primer in advance. It is advisable to perform a test before starting work.

Technical properties

Properties	Value + unit
Basis	one-component hybrid polymer
Consistency	pasta-like
Density (DIN 53479)	1,67 kg/l
Shore-hardness A (DIN 53505)	40° +/-5
Temperature resistance	-40°C to +90°C
Application temperature	+0°C to +35°C
Skin formation	+/- 10 minutes
Curing time (23°C and 50% R.H.)	2 to 3 mm in 24 h
Elastic recovery (ISO 7389-B)	75 %
Maximum allowable deformation (DIN EN ISO 11 600)	20 %
Elasticity modulus 100% (DIN EN ISO 8339)	0,75 N/mm ²
Tensile strength (DIN 53504)	1,80 N/mm ²
Shear resistance (DIN 53504)	0,90 N/mm ²
Elongation at break (DIN 53504)	750 %
Fire class (DIN 4102 deel 1)	B1
Volume change (DIN EN ISO 10563)	-3 to -4% volume
Test results of bonding on various substrates	report by ift Rosenheim 14-001757-PR01
Storage time	1 year after production date, stored at room temperature

Curing takes place from outside to inside, thanks to the air humidity and the ambient temperature. At low temperature and/or low humidity the curing will be considerably slower. To glue the ISO-TOP WINFRAMER system, apply 2 cords of 6 x 6 mm ISO-TOP FLEKKLEBER. The yield of one sausage (600 ml) will be about 20 running metres (sufficient for gluing 10 metres of ISO-TOP WINFRAMER). Consumption depends on the type and roughness of the substrate.

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Application guide

Method

Clean surfaces by removing foreign objects and contaminants such as grease, oil, dust, water, ice and superficial dirt.



Surface temperature

Minimum +0°C and maximum +35°C

Processing temperature

Minimum +0°C and maximum +40°C

Example ISO-TOP WINFRAMER



General information

The information contained in this document is provided in good faith and is believed to be correct. However, we have no influence on the conditions in which these products are used or the methods by which they are used. Therefore, this information is not a substitute for tests which the customer must perform himself/herself in order to ensure that the products are safe, effective and achieve the intended purposes. Suggestions regarding the use of the product must not be used as grounds for infringement of any patent whatsoever. The only guarantee Castelein Sealants offers is that this product complies with the Castelein Sealants terms and conditions of sale in force at the time of shipment. Your only remedy in the event of a breach of this guarantee is the refund of the purchase price or the replacement of the product that does not comply with the guarantee.

Technical data of supplier: 12-2014

The producer reserves the right to make changes. 2020 04 01