

Description

FA101 Window and Perimeter Silicone is a neutrally-curing, elastic, one-component, silicone sealing material.

Colour

transparent, jasmin, white, light oak, creme white, dark oak, grey white, pine brown, transparent grey, ochre brown, light grey, mid brown, grey, choco brown, silver grey, dark brown, concrete grey, black

Packaging

600 ml foil bag / 310 ml cartridge

Technical specification

	Norm	Classification
Reaction system		akoxy (neutral cross linking)
Specific weight	52 451	1.02 g/cm ³
Tack free time ¹⁾		approx. 7-10 min.
Cure rate ¹⁾		after 1 day: 2 mm after 3 days: 3 mm
Volume change	52 451	-4%
Joint movement capability		25%
Shore A hardness	53505	18
Elasticity modulus (100%)	ISO 8339	0.32 N/mm ²
Tensile strength	ISO 8339	0.6 N/mm ²
Elongation at break	ISO 8339	300%
Break pattern	ISO 8339	100% (cohesive break)
200% elongation for 24 hours	52 455-3	satisfactory (adhesion and elongation correspond to light ageing)
Elastic recovery	EN 27 389	>95%
Application temperature		+5°C to +40°C ²⁾
Temperature resistance		-40°C to +150°C
Shelf life		12 months

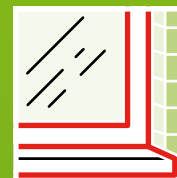
¹⁾ at + 23°C and 50% air humidity (relative humidity)

²⁾ at temperatures below 5°C a reduced level of the general reaction should be expected



FA101

Window and perimeter silicone



Application area

FA101 Window and Perimeter Silicone is particularly suitable for the sealing of windows, connecting joints and other movement joints in sanitary and wet areas. It offers long-term, good adhesion to most non-porous surfaces such as e.g. anodized aluminium, polyacrylate, polycarbonate, coated or glazed wood, glass and glazed surfaces.

Product advantages

- 10 year "i3" performance guarantee
- fungus and mildew resistant
- compatible with coatings
- non-reduced, 100% silicone

Pre-treatment of the adhesion surfaces

The surfaces must be stable, dust-free, clean, dry and free of any release agents. Non-porous surfaces should be cleaned with AA404. In the case of sensitive surfaces, use AA404 diluted with water (preliminary testing is recommended). On porous, mineral surfaces AT140 for "porous surfaces" should be applied. This is particularly suitable for the illbruck "i3" Window Sealant System. In the case of PVC profiles, we recommend a pre-treatment with a mixture of isopropyl alcohol (IPA, industrial alcohol) and water in a ratio of 1:1 for optimum adhesion results.

Joint information

When sealing glass, use backfilling materials like TN133 PE rod or PE (polyethylene) based tape as a spacer between sealant and joint end to avoid having adhesion to three different surfaces. The minimum joint cross section is 3 x 5 mm. The specific dimensions necessary depend on the length of the window, the window frame material and its colour. For other joints the dimension has to be calculated in such a way that the permissible general deformation of the silicone sealing material is not exceeded. Backfill materials containing oil, tar or bitumen are unsuitable, as are materials based on natural rubber, chloroprene or EPDM base.

Joint filling

To achieve an optically perfect joint, we recommend taping up around the edges of the joint using a suitable adhesive tape. Apply FA 101 Window and Perimeter Silicone to the joint (bubble-free). Fill the joint completely. Flatten the sealing material with a suitably shaped knife using AA300 Flattening Agent. Apply AA330 solution sparingly using a sprayer. This flattening process has to be effected before the skin has formed on the sealing material. To prevent a tearing of the skin during its formation, remove the adhesive tape immediately afterwards. Carefully wipe away excess AA330 from frame and glass.

Cleaning

Freshly applied and not yet fully set FA101 Window and Perimeter Silicone can be removed with the AA404 cleaner. Cured material can only be removed mechanically by using a suitable tool (e. g. stripping appliance).

Limitations

Surfaces containing tar and bitumen are unsuitable as adhesive surfaces. A discolouration of the sealing material is possible if contact is made with some organic elastomers such as EPDM, APTK or neoprene. Staining is possible if contact is made with enamel and high-fired ceramics. Natural stones e.g. marble and granite may stain to some extent around the edges on account of certain substances that are part of the formulation. FA101 Window and Perimeter Silicone should not be used in closed areas since it requires air humidity in order to cure. Discolouration with other sealing materials rarely occur. However, under some circumstances the material can turn yellow. This may be the case if contact is made with adhesives, other sealing materials or aggressive chemicals. FA101 Window and Perimeter Silicone is not suitable for structural glazing facades or for insulating glass edge bonding. Likewise, it is not appropriate for applications in the food sector, for aquarium constructions or for direct medical or pharmaceutical uses.

Storage

The sealing material has a shelf life of up to 12 months if stored in a cool, dry and frost-free environment in its unopened original packaging (please observe temperature and relative air humidity aspects).

Safety advice

Keep out of the reach of children. Avoid any contact with the eyes and skin. We refer to the EC Safety Data Sheet for further details.

Technical Service

tremco illbruck has a team of experienced Technical Service Representatives who provide assistance in the selection and specification of products. For more detailed information, service and advice, please call Customer Service on 01942 251400.

Guarantee / Warranty

tremco illbruck products are manufactured to rigid standards of quality. Any product which has been applied (a) in accordance with tremco

illbruck written instructions and (b) in any application recommended by tremco illbruck, but which is proved to be defective, will be replaced free of charge.

No liability can be accepted for the information provided in this leaflet although it is published in good faith and believed to be correct. tremco illbruck Ltd. reserves the right to alter product specifications without prior notice, in line with Company policy of continuous development and improvement.



tremco illbruck Limited
Coupland Road, Hindley Green
WN2 4HT Wigan
T: +44 1942 251400
F: +44 1942 251410
uk.info@tremco-illbruck.com
www.tremco-illbruck.co.uk