



Technical Data Sheet



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Outdoor Window & Door Frame Sealant

High performance universal silicone sealant with excellent adhesion properties

CHARACTERISTICS

Outdoor Window & Door Frame Sealant is a low modulus, one-component, ready-to-use, pure neutral silicone sealant (alcoxy type) for sealing in uPVC, metal, and wooden door frames. Outdoor Window & Door Frame Sealant combines the advantages of excellent Primerless adhesion properties (including on synthetic surfaces) with neutrality.

- 100% silicone.
- 25% movement capability.
- Excellent UV, weather, and ageing resistance
- Waterproof.
- Primerless adhesion to most common building materials including ceramics, enamel, glass and glazed surfaces, metals, wood, PVC, polycarbonate, Acrylic (PMMA), ABS, concrete, cellular concrete etc.
- Non-corrosive.
- Low odour during application.

APPLICATIONS

Outdoor Window & Door Frame Sealant can be used for:

- Sealing uPVC, metal and wooden window and door frames
- Cladding
- Fascia boards and soffits

STANDARDS

BS EN 15651-1	product type F-EXT-INT: sealant for facade for interior and exterior applications
BS EN 15301-1	reaction to fire: class E
ISO 11600	class F-25LM and G-25LM





TECHNICAL DATA

Before curing	
Type of silicone	Alcoxy
Appearance	Paste
Density (ISO 2811-1)	~ 1,38 g/ml (Colours) ~ 1,04 g/ml (Trans)
Resistance to flow (ISO 7390)	~ 1 mm (Colours) ~ 0 mm (Trans)

Curing	
Skin formation time (+23 °C / 50% RH)	~ 40 min (Colours) ~ 30 min (Trans)
Curing speed (+23°C, 50% RH, cross-section of joint 20x10mm)	~ 2 mm-2.5mm / day
Application temperature	+ 5 to + 40°C

After curing	
Shore A hardness (ISO 868)	~ 22 (Colours) ~ 20 (Trans)
Movement capability (ISO 11600)	25%
Max. joint width	30 mm
Change of volume (ISO 10563)	~ 6%
Temperature Resistance	- 50 to + 120°C

Mechanical properties	
Elastic recovery (ISO 7389-A)	~ 85-90%
Modulus at 100% elongation (ISO 8339-A)	~ 0,3 N/mm ²
Elongation at break (ISO 8339-A)	~ 500% (Colours) ~ 250% (Trans)

INSTRUCTIONS FOR USE

Outdoor Window & Door Frame Sealant is supplied ready-to-use and can be applied from the original packaging with no special pre-treatment.

Surface preparation

All surfaces must be clean and dry, free from any dust and grease or anything which is likely to impair adhesion of the sealant.

Residues of old sealant or other materials as well as mould on the substrate must be removed completely (if necessary, use a silicone remover).

To get best sealing results it is recommended to mask edges of the joints with a tape before application of the sealant mass.



Joint dimensions

The movement capability of the sealant as well as local regulations must be considered. In general, the joint width must be > 10mm and < 35mm and the joint width should be twice the depth.

Recommended standard dimensions for exterior facade elements (acc. DIN 18540):

design joint width	15 mm	20 mm	25 mm	30 mm	35 mm
minimum joint width	10 mm	15 mm	20 mm	25 mm	30 mm
joint depth	8 mm	10 mm	12 mm	15 mm	15 mm

Recommended minimum joint width for joints around windows and exterior doors: 10 mm. In cases of deep joints, fill with PE foam 'Backer Rod' prior to applying the sealant.

Sealant application

The sealant should be applied ensuring that the seal is filled. Smoothing off the seal ensures good contact between the sealant and the bonding surfaces.

Directly after application, smooth off with an Unibond sealant smoother tool.

Remove any tape immediately, before surface skin has formed on the sealant.

Smooth over any proud sealant edges immediately.

Cleaning tools/ Excess sealant

Fresh sealant may be cleaned with a cloth soaked in white spirit or alcohol (e.g., methylated spirit)

Cured sealant can be removed by scraping (e. g. using a razor blade) or by using a special silicone remover product.

Drying time

The sealant will be touch dry in 30 mins and fully dry in approx. 24 hours*

**Curing speed is dependent on temperature, air humidity and on the dimensions of the joint. Low temperatures, high air humidity or big joint dimensions require longer curing times.*

Please note.

The joint must be cleaned and maintained regularly.

If using indoors, ensure good ventilation in the room where the sealant is applied.

LIMITATIONS

Not recommended for joints that are in direct food contact.

Not recommended for use as a bedding compound.

Not recommended for sanitary applications.

Not recommended for structural glazing applications.

Not recommended for swimming pool joints, for aquarium joints or areas of permanent damp.

Cannot be over-painted.

Before using on painted substrates, paint has to be completely dry and cured. Prior compatibility tests are recommended, considering the variety of paints that exist.



Not recommended on materials which can exude certain components over time (butyl sealant, EPDM rubbers, polychloroprenes, etc.). Discolouration or reduction of adhesion properties could take place.

Do not apply to natural stone. For applications on natural stone use a special natural stone silicone.

Not recommended for applications on PTFE (Teflon®) or polyethylene.

For any applications on sensitive surfaces carry out preliminary testing to check compatibility with the sealant.

GENERAL INFORMATION

Storage

Store in a cool, dry place between 5 °C and 25 °C.

Shelf life is 12 months in an unopened cartridge after date of manufacture (the expiry date is shown on the packaging).

Packaging

Cartridge – 392g

Colours

White

Brown

HEALTH AND SAFETY

Before using the product please see related Material Safety Data Sheet that is available to download from mysds.henkel.com.

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