



Technical Data Sheet



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Kitchen & Bathroom - Shower in 1 Hour

Fast curing mould resistant sanitary silicone sealant

CHARACTERISTICS

Unibond Kitchen & Bathroom - Shower in 1 Hour Sealant is a fast curing, high modulus, one component, ready-to-use, pure silicone sealant (acetoxo type) which contains a fungicide for general sealing in sanitary applications.

- 100% silicone.
- High modulus.
- 25% movement capability.
- Fast curing - suitable for indirect water contact after 1 hour application.
- Good workability / tooling due to high viscosity.
- Excellent UV and ageing resistance.
- Waterproof.
- Smooth and glossy appearance.
- Primerless adhesion to glass, ceramics, vitreous, painted surfaces and anodized aluminium.
- Resistance to fungal growth.
- Good resistance to conventional cleaning products and household chemicals.

APPLICATIONS

Kitchen & Bathroom - Shower in 1 Hour Sealant can be used for:

- Sealing joints / expansion joints in sanitary and similar applications
- Sealing around bathtubs, sinks, showers (including power showers), toilets, ceramic or porcelain tiles, kitchens, worktops
- As a bedding compound

STANDARDS

BS EN 15651-3	product type S: sealant for sanitary applications
BS EN 15301-1	reaction to fire: class E
ISO 846-B	microbiological growth: level 1
ISO 11600	able to pass class F-25HM and G-25HM





TECHNICAL DATA

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

Curing	
Skin formation time (+23 °C / 50% RH)	~ 7 min.
Curing speed (+23°C, 50% RH, cross-section of joint 20x10mm)	~ 3 mm / day
Application temperature	+ 5°C to + 40°C

After curing	
Shore A hardness (ISO 868)	~ 23
Movement capability (ISO 11600)	25%
Max. joint width	30 mm
Change of volume (ISO 10563)	~ 5%
Temperature Resistance	- 50°C to + 150°C

Mechanical properties	
Elastic recovery (ISO 7389-A)	~ 95%
Modulus at 100% elongation (ISO 8339-A)	~ 0,5 N/mm ²
Elongation at break (ISO 8339-A)	~ 300%

INSTRUCTIONS FOR USE

Kitchen & Bathroom - Shower in 1 Hour Sealant is a ready-to-use silicone and can be applied from the original packaging with no special pre-treatment.

Surface preparation

All surfaces must be clean and dry, free from dust and grease or, anything which may be detrimental to correct 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 off edges of the joint with masking tape before applying the sealant.

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.

In the case of deep joints, fill with PE foam 'Backer Rod' prior to applying the sealant.

In case of rectangular sanitary joints, it is necessary to maintain a minimal depth of 5mm.

In case of triangular joints, both contact areas should be minimum 5mm wide.



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 20 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.

Ensure good ventilation in the room where the sealant is applied.

LIMITATIONS

Must not be used on sensitive surfaces which could react with the acetic acid, which is released during cure such as copper, brass, natural stone (travertine, marble etc.) For applications on natural stone use a special natural stone silicone.

Not recommended for structural glazing applications.

Not recommended for joints that are in direct food contact.

Not recommended for swimming pool joints, for aquarium joints or for applications under water or in 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.

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



GENERAL INFORMATION

Storage

Store in a cool, dry place between +5 °C and +25 °C. Shelf life is 24 months in the unopened cartridge after date of manufacture (the expiry date is shown on the packaging).

Packaging

Cartridge – 291g

Colours

Translucent

White

HEALTH AND SAFETY

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

“The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. Henkel is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product.

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