



Technical Data Sheet



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Sanitary Sealant

Mould resistant sanitary silicone sealant
NO-CUT OPEN PACK

CHARACTERISTICS

UniBond Sanitary Sealant is a one component, ready-to-use, silicone sealant (acetox type) which contains a fungicide for general sanitary sealing applications.

- Easy to use and apply – No knife required to open cartridge
- Smooth and glossy appearance
- Flexible – 12.5% movement capability
- Durable
- Waterproof
- Primeless adhesion to glass, ceramics, vitreous, painted surfaces and anodized aluminium.
- Resistance to fungal growth
- Good resistance to conventional cleaning products and many chemicals

APPLICATIONS

Sanitary Sealant can be used for:

- sealing baths, sinks, showers, kitchen furniture/ worktops, toilets, urinals.
- sealing ceramic or porcelain tiles, plumbing fixtures or cold rooms

STANDARDS

| | |
|----------------------------|---------------------------------------------------|
| BS EN 15651-3 (CE marking) | product type S: sealant for sanitary applications |
| BS EN 15301-1 | reaction to fire: class E |
| ISO 846-B | microbiological growth: level 0 |
| ISO 1600 | Class F-12.5E |





TECHNICAL DATA

| Before curing | |
|-------------------------------|-------------|
| Type of silicone | Acetoxy |
| Appearance | Paste |
| Density (ISO 2811-1) | ~ 0,99 g/ml |
| Resistance to flow (ISO 7390) | ~ 0 mm |

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

| After curing | |
|---------------------------------|-------------------|
| Shore A hardness (ISO 868) | ~ 20 |
| Movement capability (ISO 11600) | 12.5% |
| Max. joint width | 30 mm |
| Change of volume (ISO 10563) | ~ 20% |
| Temperature Resistance | - 30°C to + 120°C |

| Mechanical properties | |
|-----------------------------------------|-------------------------|
| Elastic recovery (ISO 7389-A) | ~ 95% |
| Modulus at 100% elongation (ISO 8339-A) | ~ 0.4 N/mm ² |
| Elongation at break (ISO 8339-A) | ~ 100% |

INSTRUCTIONS FOR USE

Note:

- Cartridge gun required
- No knife required to open cartridge!





UniBond Sanitary 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 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).

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.

Coverage: Approx 11m using a 5mm bead

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 approx. 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.

Not recommended for façade or 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.

Cannot be over-painted.



Before using on painted substrates, paint must 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 natural stone, use a neutral curing sealant suitable for natural stone.

Not recommended for applications on PTFE (Teflon®), polypropylene 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 24 months in an unopened cartridge after date of manufacture (the expiry date is shown on the packaging).

Colours

Translucent, White

Packaging

| | |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description | "No-Cut" opening plastic and cardboard cartridge. The sealant is contained within an internal foil-laminated 'sausage' pouch for secure and efficient storage |
| Volume Fill | 280ml |
| Net Weight | 274g |
| Gross Weight | 336g |
| Height | 249mm |
| Diameter | 50mm |
| Recycled content | Minimum 67% |

HEALTH AND SAFETY

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

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