Technical Data Sheet

Technical Data Sheet
Ref: US5000
Issued: 21/03/2023
Number of pages: 4

Kitchen & Bathroom Triple Protection

High performance universal silicone sealant with excellent adhesion and anti-mould properties

CHARACTERISTICS
Unibond Kitchen & Bathroom Triple Protect is a low modulus, one component, room temperature vulcanising, pure neutral curing silicone sealant (alcoxy type) for sealing sanitary joints where very high mould resistance is required.

Kitchen & Bathroom Triple Protection Sealant combines excellent primerless adhesion with neutrality and excellent long-term mold resistance.

- High mould resistance due to unique triple protection fungicide system:
  - Repels mould spores on the surface.
  - Stops growth of mould on the surface.
  - Prevents the production of mould spores.
- Suitable for natural stone.
- 100% silicone.
- Low modulus.
- 25% movement capability.
- Smooth and glossy appearance.
- Excellent UV and ageing resistance.
- Waterproof.
- Primerless adhesion to most sanitary surfaces such as ceramics, enamel, glass, metals, wood, PVC, polycarbonate, Acrylic (PMMA), concrete, etc.
- Non-corrosive.
- Low odour during application.
- Good resistance to conventional cleaning products and household chemicals.

APPLICATIONS
Kitchen & Bathroom Triple Protection Sealant can be used for:
- Sealing baths, showers (including power showers), sinks, toilets, urinals etc.
- Sealing ceramic, porcelain, or natural stone tiles.
- Sealing kitchen furniture or worktops (including granite).

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 11600	class F-25LM and G-25LM

TECHNICAL DATA

Before curing	
Type of silicone	Alcoxy
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)	~ 30 min.
Curing speed (+23°C, 50% RH, cross-section of joint 20x10mm)	~ 2.5 mm / day
Application temperature	+ 5°C to + 40°C

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

Mechanical properties	
Elastic recovery (ISO 7389-A)	~ 90%
Modulus at 100% elongation (ISO 8339-A)	~ 0.3 N/mm²
Elongation at break (ISO 8339-A)	~ 250 %

INSTRUCTIONS FOR USE

Kitchen & Bathroom Triple Protection 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 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.
In case of fill deep joints with PE foam “Backer Rod” prior to applying 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 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.
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 structural glazing applications.

Not recommended as a bedding compound.

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

Cannot be over-painted.

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®) or polyethylene.

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.

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

GENERAL INFORMATION

Storage
Store in a cool and dry place between +5 °C and + 25 °C. Shelf life is 12 months in the unopened cartridge after date of manufacture (the expiry date is shown on the packaging).

Packaging
Cartridges – 291g

Colours
White
Translucent

HEALTH AND SAFETY

Before using the product, please see related Material Safety Data Sheet that is available on request.

"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.

Any liability in respect of the information in the Technical Data Sheet or any other written or oral recommendation(s) regarding the concerned product is excluded, except if otherwise explicitly agreed and except in relation to death or personal injury caused by our negligence and any liability under any applicable mandatory product liability law."

Henkel Limited
Wood Lane End, Hemel Hempstead, Hertfordshire, HP2 4RQ
Phone: +44 (0) 1606 593 933
Internet: www.henkel.co.uk
email: technical.services@henkel.co.uk

This document was created and digitally signed by tdx.henkel.com at 2025-11-28T17:12:55.554Z