# 3S
# Sanitary Silicone

## PROPERTIES

- ▸ **Single component, acetoxy curing**
- ▸ **Sanitary use, contains a fungicide**
- ▸ **Flexible, watertight jointing**
- ▸ **Low modulus, rapid curing**
- ▸ **Resistant to fungal growth and mildew**

## APPLICATIONS

- For applications in humid environments such as bathrooms, kitchens and wet rooms where resistance to fungal growth is necessary
- Seals baths, washbasins, showers, sinks, kitchen furniture and WCs
- Plumbing fixtures and urinals
- Jointing and sealing of sanitary fittings
- Good resistance against conventional cleaning products

## PROCESSING

**Surface Preparation**
All surfaces must be clean, dry and free from any dust or any traces of contaminations, which may affect adhesion.

To degrease, wipe with a pad soaked in solvent then with a clean cloth. Dust should be removed using oil-free compressed air.

**Priming**
Although UniBond Trade 3S will bond well to most clean and dry surfaces, it is recommended that a primer be used on certain substrates* in order to ensure a strong and uniform bond.
*Steel, ferrous metals, thermoplastic materials; Concrete, stone, wood

On non-porous substrates, the primer should be applied with a cloth or soft brush in a thin and uniform film. On porous substrates apply with a brush; in the case of particularly porous material apply a second layer after drying.

**Joint Dimensions**
The movement capability of the sealant as well as local regulations must be considered. In general the joint width should be twice the depth.

Sealant Coverage per 300ml cartridge of sealant for the following seal dimensions are given below for information purposes only:

12  metres of   5  x   5 mm seals
 5  metres of   8  x   8 mm seals
2.5 metres of 15  x   8 mm seals
1.5 metres of 20  x 10 mm seals

## TEMPERATURES

**Application**
Application Temperatures: + 5°C to + 40°C

**Service**
Service Temperatures: - 30°C to + 120°C

## CHARACTERISTICS

| | |
|---|---|
| Type of silicone : | Acetoxy |
| Density ISO 2811-1 | ~ 0.98 g/ml |
| Resistance to flow ISO 7390 | ~ 1 mm |
| Skin formation time +23°C/ 50% RH | ~15 min. |
| Curing speed +23°C, 50%RH, cross-section of joint 20x10mm | ~ 2 mm/ day |
| Shore A hardness ISO 868 | ~ 20 |
| Movement capability ISO 11600 | 12.5% |
| Max. joint width | 30 mm |
| Change of volume ISO 10563 | ~ 25% |
| Elastic recovery ISO 7389-A | ~ 95% |
| Modulus at 100% elongation ISO 8339-A | ~ 0.4 N/mm$^2$ |
| Elongation at break ISO 8339-A | 120 % |

## STANDARDS

**ISO**
ISO 1600: Class F-12, 5E
ISO 846-B: microbiological growth: level 0

**EN 15651-3 (CE marking)**
Product type S: sealant for sanitary applications

**EN 13501-1**
Reaction to fire: class E

## IMPORTANT ADVICE

**Cleaning tools**
Areas soiled with fresh sealant may be cleaned with a dry pad or a pad soaked in a solvent.

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

**Storage**
Cool, dry and free from frost

**Shelf Life**
24 Months when stored at temperatures between +5°C and +25°C in original, unopened packaging after date of manufacture.

## SAFETY

**Safety Advice**
Consult the Material Safety Data Sheet (mymsds.henkel.com) for UniBond Trade 3S.
www.unibond-trade.co.uk

## COLOURS

White, Translucent, Jasmine

## PACKAGING

UniBond Trade 3S is supplied in 300ml cartridges

## DISPOSAL

**Product and packaging disposal**
Dispose of waste and residues in accordance with local authority requirements (please refer to Safety Data Sheet for more information).

## SUBSTRATE COMPATIBILITY

UniBond Trade 3S provides good primerless adhesion on glass, ceramics, vitreous and painted surfaces and anodised aluminium.

## LIMITATIONS OF USE

UniBond Trade 3S must not be used on sensitive surfaces which could react with the acetic acid which is released during cure.

UniBond Trade 3S is not recommended for structural glazing applications.

UniBond Trade 3S is not recommended for joints that are in direct food contact.

UniBond Trade 3S is not recommended for swimming pool joints, for aquarium joints or for applications under water.

UniBond Trade 3S seals must not be over-painted (poor covering and adhesion of the paint).

Before using UniBond Trade 3S on painted substrates, paint has to be completely dry and cured. Prior compatibility tests are recommended, considering the variety of paints that exist.

UniBond Trade 3S is 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.

Application of UniBond Trade 3S on natural stone (e.g. marble, granite) is not recommended. For applications on natural stone use a special natural stone silicone.

UniBond Trade 3S is 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.

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