

General Purpose Silicone

PROPERTIES

- ▶ Single component, acetoxy curing
- ▶ Flexible and durable elastomeric seal
- ▶ Multi-Purpose use
- ▶ Bonds well to clear glass and ceramics
- ▶ Excellent weather resistance

APPLICATIONS

- General purpose sealing
- Glazing
- Shop windows, display cases, panels and signs
- Sealing door and window frames

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 3E 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.

Technical Datasheet
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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

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TEMPERATURES

Application

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

Service

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

CHARACTERISTICS

Type of silicone :	Acetoxxy
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	~ 3 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 15651-1 (CE marking)

Product type F-EXT-INT: sealant for façade for interior and exterior applications

EN 15651-2 (CE marking)

Product type G: sealant for glazing 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 (mysds.henkel.com) for UniBond Trade 3E. www.unibond-trade.co.uk

COLOURS

White, Translucent, Brown, Aluminium, Grey, Black

PACKAGING

UniBond Trade 3E 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 3E provides good adhesion on many substrates, especially clean uncoated glass, ceramics, most glazed non-porous surfaces and anodised aluminium.

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LIMITATIONS OF USE

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

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

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

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

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

Before using UniBond Trade 3E 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 3E 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 3E on natural stone (e.g. marble, granite) is not recommended. For applications on natural stone use a special natural stone silicone.

UniBond Trade 3E 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.

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. f.

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."

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