

General Purpose Silicone

PROPERTIES

- ▶ Single component, neutral curing
- ▶ Low Modulus
- ▶ Good primerless adhesion
- ▶ Quick curing
- ▶ UV- and weather resistant

APPLICATIONS

- For all types of construction and perimeter joints
- Perimeter sealing of uPVC doors, windows and conservatories
- uPVC roofline (e.g. fascia boards, soffits)

PROCESSING

Surface Preparation

All surfaces must be clean and dry, free from any 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). Degreasing is performed using a pad soaked in solvent (alcohol or white spirit) followed by wiping with a clean cloth.

Dust should be removed using oil-free compressed air.

To get best sealing results it is recommended to mask edges of the joints with a tape before application of the sealant mass.

Priming

UniBond Trade 7E does not require a primer on most common substrates. Except in the case of immersion and especially on porous substrates the application of a specific primer is recommended.

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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Pages 3



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

Temperature Resistance: - 30°C to + 120°C

CHARACTERISTICS

Type of silicone :	Neutral Sealant FusionXLT TM Technology
Density ISO 2811-1	~ 0.99 g/ml (translucent, white) ~ 1.37 g/ml (brown)
Resistance to flow ISO 7390	~ 1 mm
Skin formation time +23°C/ 50% RH	~15-30 min.
Curing speed +23°C, 50%RH, cross-section of joint 20x10mm	~ 2-2,5 mm/ day
Shore A hardness ISO 868	~ 12 (translucent, white) ~ 20 (brown)
Movement capability ISO 11600	12,5%
Max. joint width	30 mm
Change of volume ISO 10563	< 25%
Elastic recovery on anodized aluminium-ISO 7389-A	~ 75%
Modulus at 100% elongation on anodized aluminium-ISO 8339-A	~ 0.25 N/mm ² (translucent, white) ~ 0.3 N/mm ² (brown)
Elongation at break on anodized aluminium-ISO 8339-A	200 % (translucent, white) 300% (brown)

STANDARDS

ISO

ISO 11600 class F-12,5E

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 - running

EN 13501-1

Reaction to fire: class E - running

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

18 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 (mymds.henkel.com) for UniBond Trade 7E. www.unibond-trade.co.uk

COLOURS

White, Translucent, Brown

PACKAGING

UniBond Trade 7E is supplied in 280ml 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).

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SUBSTRATE COMPATIBILITY

UniBond Trade 7E can be applied on numerous construction substrates, including synthetic and porous materials such as concrete, brick (glazed and unglazed), glass, tiles, ceramics, anodised and powder coated aluminium, steel, stainless steel, wood, treated wood, polyester, polycarbonate and PVC

LIMITATIONS OF USE

UniBond Trade 7E is not recommended for joints that are in direct food contact.

UniBond Trade 7E is not recommended for structural glazing applications.

UniBond Trade 7E is not recommended for swimming pool joints, for aquarium joints or for applications under water.

UniBond Trade 7E seals must not be over-painted (poor covering and adhesion of the paint).

Before using UniBond Trade 7E on painted substrates, paint has to be completely dry and cured. Prior compatibility tests are recommended, considering the variety of paints that exist. When applied to alkyd paints, slight yellowing may appear.

UniBond Trade 7E is not recommended for use with copper based metal substrates.

UniBond Trade 7E 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 7E on natural stone (e.g. marble, granite) is not recommended. For applications on natural stone use a special natural stone silicone.

UniBond Trade 7E is not recommended for applications on PTFE (Teflon®) or polyethylene.

For any applications on sensitive surfaces (e.g. mirrors) 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.

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