

High Performance Silicone

Technical Datasheet
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Pages3

PROPERTIES

- ▶ Single component, neutral curing
- ▶ Low Modulus
- ▶ Excellent primer less adhesion
- ▶ Flexible seal (25% movement)
- ▶ Highly weather resistant
- ▶ Excellent UV & temperature resistance
- ▶ 100% Silicone

APPLICATIONS

- Perimeter sealing of uPVC doors, windows and conservatories
- For all types of construction, connecting, perimeter and expansion joints
- uPVC roofline (e.g. fascia boards, soffits)
- Glazing (weather sealing, flexible jointing), including glazing of insulating glass units.
Avoid contact with secondary seal

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

UniBond Trade 7T does not require a primer on most common substrates, except in the case of immersion, mainly with porous substrates. Please consult us for more information.

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.

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: - 50°C to + 150°C

CHARACTERISTICS

Type of silicone :	Neutral Sealant FusionXLT™ Technology
Density ISO 2811-1	~ 1.02 g/ml
Resistance to flow ISO 7390	~ 0 mm
Skin formation time +23°C/ 50% RH	~15-20 min.
Curing speed +23°C, 50%RH, cross-section of joint 20x10mm	~ 3 mm/ day
Shore A hardness ISO 868	~ 15
Movement capability ISO 11600	25 %
Max. joint width	30 mm
Change of volume ISO 10563	< 10%
Elastic recovery on anodized aluminium – ISO 7389-A	~ 85%
Modulus at 100% elongation on anodized aluminium – ISO 8339-A	~ 0.3 N/mm ²
Elongation at break on anodized aluminium – ISO 8339-A	250 %

STANDARDS

ISO

ISO 11600-F&G-25 LM

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

Indoor Air Comfort

Passed external tests at Eurofins

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 (mysds.henkel.com) for UniBond Trade 7T. www.unibond-trade.co.uk

COLOURS

White, Translucent, Brown

PACKAGING

UniBond Trade 7T 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).

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SUBSTRATE COMPATIBILITY

UniBond Trade 7T can be used on most 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, PVC and all uPVC profiles.

LIMITATIONS OF USE

UniBond Trade 7T must not be used for applications in direct contact with food products.

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

UniBond Trade 7T must not be used as a secondary sealant in insulating glass units and must not come in contact with the edge seal of insulated glass.

UniBond Trade 7T must not come in contact with the interlayer of laminated (safety) glass.

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

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

Before using UniBond Trade 7T on painted substrates, paint has to be completely dry and cured. Prior compatibility tests are recommended, considering the variety of paints that exist and particularly with alkyd paints.

UniBond Trade 7T is not recommended on materials which can exude certain components over time (butyl sealant, EPDM rubbers, polychloroprenes, bitumen, etc.). Discolouration or reduction of adhesion properties could take place.

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

UniBond Trade 7T is not recommended for applications on PMMA (Plexiglass®), lead, 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.

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 AG & Co. KGaA
40191 Düsseldorf, Germany
Elch GmbH
Henkelstrasse 67 – D-40589 Düsseldorf
HPSA Ltd.
Hinckley, Leics. – LE10 1DP
Henkel Limited
Road 5, Winsford Industrial Estate, Winsford,
Cheshire, CW7 3QY

www.uni-bond-trade.co.uk

