

High Performance Silicone

PROPERTIES

- ▶ One component, acetoxy curing
- ▶ High Modulus
- ▶ Permanently flexible (25% movement)
- ▶ Durable weathertight seal
- ▶ High resistance features
- ▶ Excellent mechanical properties

APPLICATIONS

- Glass bonding (shop windows, display cases)
- Glazing (weather sealing, flexible jointing) including glazing of insulating glass units. Avoid contact with secondary seal.
- Door and window frames
- Cladding and curtain wall construction
- Portable buildings, caravans and containers
- Conservatories and greenhouses
- Heating, ventilation and air conditioning (HVAC) ducting
- Construction joints
- Marine hardware

PROCESSING

Surface Preparation

The joint faces to be bonded must be clean, dry and free from dust, oil, grease, old sealant and any traces of contaminant, which may affect adhesion.

Surfaces should be degreased with solvent soaked cloth and then wiped with a clean cloth. To remove dust, use oil-free compressed air.

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.

Priming

Although UniBond Trade 3B 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.

*on cast, extruded or anodised aluminium, metals and plastics use primer P819, on porous materials use primer P800.

Technical Datasheet
Version 27.10.2017
Pages3



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



TRADE

3B

High Performance Silicone

TEMPERATURES

Application

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

Service

Service Temperatures: - 50°C to + 150°C

CHARACTERISTICS

Type of silicone :	Acetoxly
Density ISO 2811-1	~ 1,04 g/ml
Resistance to flow ISO 7390	~ 0 mm
Skin formation time +23°C/ 50% RH	~7 min.
Curing speed +23°C, 50%RH, cross-section of joint 20x10mm	~ 3 mm/ day
Shore A hardness ISO 868	~ 23
Movement capability ISO 11600	25%
Max. joint width	30 mm
Change of volume ISO 10563	~ 5%
Elastic recovery ISO 7389-A	~ 95%
Modulus at 100% elongation ISO 8339-A	~ 0,5 N/mm ²
Elongation at break ISO 8339-A	300 %

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

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 (mymds.henkel.com) for UniBond Trade 3B. www.unibond-trade.co.uk

COLOURS

White, Translucent, Aluminium, Black, Grey

PACKAGING

UniBond Trade 3B 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 3B bonds strongly to glass, other glazed or painted surfaces, anodised aluminium, ceramics, steel, stainless steel, wood, treated wood, polyester, polyurethane, fiberglass and PVC.





3B

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LIMITATIONS OF USE

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

UniBond Trade 3B doesn't contain fungicide and is not recommended for sanitary applications.

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

UniBond Trade 3B (once cured) can be used in applications in which there is a risk of occasional short term contact with water-based foodstuffs but it should not be used for applications with permanent contact.

UniBond Trade 3B should not be over-painted (poor covering and adhesion of the paint).

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

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

UniBond Trade 3B 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.

UniBond Trade 3B 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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