

### PROPERTIES

- ▶ One component, neutral curing
- ▶ Meko- and Oxime free
- ▶ Almost odourless during application
- ▶ Low modulus
- ▶ Fast curing
- ▶ Flexible seal (25% movement)
- ▶ Waterproof
- ▶ Excellent UV-, weather- & ageing resistance

### APPLICATIONS

- All type of construction perimeter and expansion joints also when there is a risk of developing mildew (facades which are north-facing, in the shade, exposed to damp, etc.)
- Perimeter sealing of uPVC doors, windows and conservatories
- Glazing (weather sealing, flexible jointing), including glazing of insulating glass units
- Sanitary joints: baths, wash basins, showers, kitchens
- Tiling joints
- Controlled atmosphere rooms (refrigerated, clean rooms, etc.)
- Heating, ventilation and air conditioning (HVAC) ducting

### 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). 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 Fusion XLT 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.

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#### Joint Dimensions

In general, the joint width must be > 10mm and < 35mm and the joint width should be twice the depth.

#### Sealant application

Once a seal back-up material has been put in place (closed-cell polyethylene foam or open-cell polyurethane foam), the sealant should be applied ensuring that the seal is completely filled. Smoothing off the seal ensures good contact between the sealant and the bonding surfaces. Directly after application, spray the joint with a mild detergent solution (soapy water) and smooth off with an appropriate tool.

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



# FusionXLT Premium

## Fusion Neutral Silicone

### TEMPERATURES

#### Application

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

#### Service

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

### CHARACTERISTICS

Type of silicone	Neutral Sealant FusionXLT TM 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 ISO 7389-A	~ 85%
Modulus at 100% elongation ISO 8339-A	~ 0.3 N/mm <sup>2</sup>
Elongation at break ISO 8339-A	250-350 %

### STANDARDS

#### ISO

ISO 11600-F&G-25 LM

ISO 846-B: microbiological growth: level 1-2

#### 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 15651-3 (CE-marking)

Product type S: sealant for sanitary 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 Fusion XLT.

[www.unibond-trade.co.uk](http://www.unibond-trade.co.uk)

### COLOURS

White, translucent, anthracite, brick red, buff, magnolia, brown, black, light oak and sherwood

### PACKAGING

UniBond Trade Fusion XLT 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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## Fusion Neutral Silicone

### SUBSTRATE COMPATIBILITY

UniBond Trade Fusion XLT provides excellent primerless adhesion 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 and PVC.

### LIMITATIONS OF USE

UniBond Trade Fusion XLT is not recommended for applications in direct contact with food products.

UniBond Trade Fusion XLT is not recommended for structural glazing applications.

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

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

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

Before using UniBond Trade Fusion XLT 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 Fusion XLT 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 Fusion XLT on natural stone (e.g. marble, granite) is not

recommended. For applications on natural stone use a special natural stone silicone.

UniBond Trade Fusion XLT 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.

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