

### PROPERTIES

- ▶ Adhesive & Sealant
- ▶ All purpose
- ▶ High modulus, good elasticity (25%)
- ▶ Based on FLEXTEC® Technology
- ▶ Very good UV-. Weather and ageing resistance
- ▶ Isocyanates- and Solvent free
- ▶ Paintable after curing
- ▶ High initial tack, tack free surface

### APPLICATIONS

- Excellent adhesion to a wide range of construction materials without primer
- Improved adhesion, e.g. to "difficult" PVC substrates
- For most common indoor and outdoor bonding and sealing jobs
- Can be applied to damp surfaces without bubbling or losing adhesion
- Suitable for natural stones

### PROCESSING

#### Surface Preparation

The substrates to seal or bond must be clean, free from oils, grease, dust and loose particles and should be dry.

Standing water should be removed. Remove residues of old sealant/adhesive. Use acetone, spirit, isopropanol or special cleaners to remove residues of oils or grease.

Masking tape must be used where sharp exact joint lines or exceptionally neat lines are required. Remove the tape whilst the sealant has still not formed a skin.

#### Priming

UniBond Trade FT101 is supplied ready to use and can be applied from the cartridge using a standard air or hand operated gun, with no special pre-treatment.

#### 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.



<b>CE</b>
Henkel AG & Co. KGaA 17 DoP-01342
EN 15651-1 F-EXT-INT
<a href="http://www.henkel-dop.com">www.henkel-dop.com</a>

**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

### TEMPERATURES

#### Application

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

#### Service

Temperature Resistance: - 40°C to + 80°C

### CHARACTERISTICS

Type of silicone :	Flextec®Polymer (moisture curing silane modified polymer (SMP))
Density ISO 2811-1	~ 1.4 g/ml (white, grey) ~ 1.1 g/ml (translucent)
Resistance to flow ISO 7390	~ 0 mm
Skin formation time +23°C/ 50% RH	~ 25 min. (white, grey) ~ 20 min. (translucent)
Curing speed +23°C, 50%RH, cross-section of joint 20x10mm	~ 2 mm/ day
Shore A hardness ISO 868	~ 30 (white, grey) ~ 35 (translucent)
Movement capability ISO 11600	25% (white, grey) 20% (translucent)
Recommended joint width	10 - 35 mm
Change of volume ISO 10563	~ 3%
Elastic recovery on anodized aluminium – ISO 7389-A	~ 80 % (white, grey) ~ 90 % (translucent)
Modulus at 100% elongation on anodized aluminium – ISO 8339-A	~ 0.60 N/mm <sup>2</sup>
Elongation at break on anodized aluminium – ISO 8339-A	300 % (white, grey) 200 % (translucent)

### STANDARDS

#### ISO

ISO 11600-Class F-25HM: sealant for building construction (white, grey)

ISO 11600-Class F-20HM: sealant for building construction (translucent)

#### EN 15651-1 (CE marking)

Class 25HM, Product type F-EXT-INT: sealant for façade for interior and exterior applications (white, grey)

Class 25HM, Product type F-EXT-INT: sealant for façade for interior and exterior applications (translucent)

#### IVD-Instruction Sheet No. 9

Perimeter joints of windows and exterior doors (white, grey)

#### EN 13501-1

Reaction to fire: class E

### IMPORTANT ADVICE

#### Cleaning tools

Clean tools and application equipment with white spirit immediately after use. Cured material can only be removed mechanically (e.g. with knife).

#### Storage

Dry and protected from direct sunlight.

#### Shelf Life

12 months from date of production if stored in unopened original cartridges at temperatures between +10°C and 25°C.

### SAFETY

#### Safety Advice

Consult the Material Safety Data Sheet (mymdsd.henkel.com) for UniBond Trade FT101. [www.unibond-trade.co.uk](http://www.unibond-trade.co.uk)

### COLOURS

White, translucent, grey

### PACKAGING

UniBond Trade FT101 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 FT101 is suitable for many types of construction materials: concrete, brick, marble, tile, ceramics, fibre-concrete, galvanized steel,

stainless steel, iron, copper, brass, painted metals, lacquered aluminium, anodized aluminium, wood, melamine, PVC etc. No adhesion to PE, PP, PTFE (Teflon®), PMMA (acrylic glass). In cases of unknown materials or critical applications adhesions tests are recommended.

Resistant to water, seawater, diluted alkalis, diluted acids, cement grout and water diluted detergents. The product is not recommended for applications with permanent contact with chemicals.

Poor resistance to aromatic solvents, organic acids, concentrated alkalis and concentrated acids, chlorinated hydro-carbons.

In cases of other chemicals contact our Technical Service.

### LIMITATIONS OF USE

Elastic sealants may only be painted over if the coating is able to follow the movements of the sealant (in general if joint movements are <5%, depending on the coating) – otherwise cracks in the surface of the coating can occur. In case of high movement joints coatings may cover the joint sides to max. 1 mm. Due to the large number of coatings it is recommended to test the compatibility of a coating product before use, especially in case of alkyd resin paints. When painted over UniBond Trade FT101, alkyd resin paints may dry slowly and show surface tackiness and/or discoloration. In case of powder coated substrates (e.g. powder coated aluminium window frames) an adhesion test is recommended before use.

Do not use UniBond Trade FT101 as a glazing sealant.

Do not use on bituminous substrates or on building materials which might bleed oils, plasticizers or solvents which could attack the sealant.

Not suitable for joints with water pressure or permanent water immersion, e.g. in swimming pools. Do not use UniBond Trade FT101 to seal bathtubs or washbasins.

Colour deviations may occur e.g. due to exposure to chemicals or high temperatures. However a change in colour does usually not affect adversely the technical performance or the durability.

UniBond Trade FT101 may only be used for mirror bonding if the mirror coating and the protective lacquer complies with EN 1036-1. In case of unknown mirror qualities please ask mirror producer for an approval.

"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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