

PROPERTIES

- ▶ FLEXTEC® Polymer based formula
- ▶ Moisture-reactive fast curing
- ▶ Flexible bonding
- ▶ Sound, vibration and shock damping
- ▶ Weather, UV and aging resistant
- ▶ Works on damp surfaces
- ▶ Isocyanate-free and Solvent-free
- ▶ Instant grab
- ▶ Paintable and sandable
- ▶ Odourless

APPLICATIONS

- For both bonding and sealing
- For indoor and outdoor use
- Highly flexible sealant
- For all materials and substrates
- For use where a highly flexible bond and sealant is required – indoors and outdoor

SUBSTRATE COMPATIBILITY

UniBond Trade PL300 is multiple-substrate compatible including Brick, Ceramic, Concrete, Hardboard, Plasterboard, Plywood, Stone, MDF, Wood, Metal, UPVC, Glass, Plastics*, painted surfaces *, Mirrors**.

*Pre-test to determine suitable bonding, because of many different substrates. The adhesion of UniBond Trade PL300 transparent on polystyrene foam (Styrofoam) can be significantly improved by priming with diluted wood glue. Mix wood glue about 1:1 with water and spread onto the substrate. After drying of the primer, UniBond Trade PL300 are ready to apply.

**Use mirrors acc. EN 1036-1, ask for technical advice for large-scale objects.

All absorbent and non-absorbent substrates are suitable, except PE, PP, PTFE, acrylic glass and plasticized PVC. With coated substrates, a check of product suitability or professional advice is recommended. Wet surfaces are possible if it has the possibility to dry. Not recommended for permanent water immersion.

Gluing of natural stone (e.g. windowsill –seat made from marble, granite) is possible, if the natural stone has a thickness of min. 10 mm.



PROCESSING

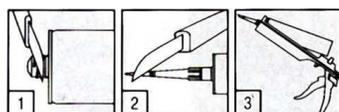
Surface Preparation

Ensure surfaces to be bonded are clean and free of dust, grease or oil. Pooled water should be removed.

Substrates must be stable. Remove any contaminants likely to impair adhesion. Before application, mask off the adjacent area with foil or tape, if necessary. Check paint or coatings are firmly attached, if not remove it.

Application

Cut off tip of the cartridge above the screw thread (1). Screw on plastic nozzle and diagonally cut off the tip of the nozzle (2). Place cartridge into gun (3).



Opening of the plastic cartridge

Apply adhesive onto one of the surfaces: 1) In spots in order to smooth uneven surfaces, 2) in wave-like form for higher initial tack with wide surfaces or 3) in straight strands for smaller surfaces. In case of outdoor use, apply vertical strands.



Application of the adhesive

Release the trigger on the gun after each application to prevent the adhesive from flowing - not valid for Foldable Gun.

Ensure Ventilation. (1 mm Minimum gap)

Important in case of 2 non-absorbent surfaces: Adhesive must not form continuous areas as contact with air is necessary for adhesive curing. Then put the two surfaces together, correct if necessary, and press thoroughly. Make sure the adhesive tracks do not merge.

Heavy items and items under tension have to be supported and fixed for at least 24 hrs.

For "Sealing" work, ensuring that joints are clean and free of dust (max. joint 2cm.). Use back-up materials (e.g. Polyethylene foam or foil) if

necessary. Apply UniBond Trade PL 300 into the joint, $\frac{3}{4}$ smooth the bead after application using the appropriate tool, within the open time. For good smoothing results, use a diluted water/detergent (app. 5%) solution.

TEMPERATURES

Application

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

Service

Heat resistance: - 30°C to + 80°C, 100°C for short periods

CHARACTERISTICS

Material	FLEXTEC® Polymer (moisture curing silane terminated polymer (STP))
Density	~ 1.5 g/cm ³ (white) ~ 1.05 g/cm ³ (translucent)
Open time	~ 15 min.
Gap filling	Max. 20 mm
Initial tack	~ 14 g/cm ²
Final strength DIN EN 205	4.0 – 5.0 N/mm ²
Elongation at rupture DIN 53504	~ 300% (white) ~ 200% (translucent)
Shelf Life	12 month in cool places
Setting time 23°C / 50%RH	2 mm / day
Coverage	~ 300 g/m ²

STANDARDS

ISO

ISO 16938-1 and -2: suitable for natural stone, no staining

EN 15651-1 (CE marking)

Product type F-EXT-INT: sealant for façade for interior and exterior applications

EN 15301-1

Reaction to fire: Class E



PL300

Grab Adhesive

IMPORTANT ADVICE

Cleaning

Immediately remove any adhesive residue with a damp cloth in a solvent (alcohol or white spirit). Cured material can only be removed mechanically.

Storage

Store in cool dry conditions between +10°C and 25°C. The Product is not damaged by freezing, but avoid high temperature-changing during storage.

Shelf Life

18 Months when stored cool, dry and free from frost in original, unopened packaging after date of manufacture.

SAFETY

Safety Advice

Consult the Material Safety Data Sheet (mymstds.henkel.com) for UniBond Trade PL300. www.unibond-trade.co.uk

PACKAGING

UniBond Trade PL300 is supplied in 392g (white) and 294g (translucent) 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).

LIMITATIONS OF USE

Do not use UniBond Trade PL300 as a glazing sealant, on bituminous substrates or on building materials, which might bleed oils, plasticizer or solvents, which could attack the product.

Not suitable for applications with water pressure or permanent water immersion/constant damp, e.g. in swimming pools below the water line, water pipes. Do not use UniBond Trade PL300 to seal bathtubs, washbasins or tiled walls/floors in bathrooms.

UniBond Trade PL300 will not bond to PE, PP, PTFE, PMMA (Acrylic), plasticized PVC, copper and brass.

Pre-test coated substrates to ensure suitability of use.

Product 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 and large projects, please ask mirror producer for a recommendation.

UniBond Trade PL300 cannot be overpainted.

"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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