



TRADE

PL Premium High Tack Grab Adhesive

PROPERTIES

- ▶ FLEXTEC® Technology based formula
- ▶ One-part and flexible bonding
- ▶ Multipurpose assembly adhesive
- ▶ Interior and exterior use
- ▶ Unbeatable instant grab of 350 Kg/m²
- ▶ Overpaintable and sandable once cured
- ▶ Isocyanate-free and Solvent-free
- ▶ Sound and vibration damping
- ▶ Weather and aging resistant
- ▶ No shrinkage
- ▶ Porous- and non-porous surfaces

APPLICATIONS

- For producing extremely high flexible bonds
- For most materials, even sensitive materials
- Works on wet surfaces

SUBSTRATE COMPATIBILITY

UniBond Trade PL Premium High Tack 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 PL200 on polystyrene foam (Styrofoam) can be significantly improved, by precoat with diluted wood glue. Mix wood glue about 1:1 with water and spread onto the substrate. After drying of the precoat, PL200 are ready to apply.

**Use mirrors acc. DIN 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, plasticized PVC, copper and brass. 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.

Seam seals in metallic and wooden construction (no movement) and in ventilation & air-conditioning ductwork (no movement).

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

Technical Datasheet
Version 28.08.2017
Pages 3



PL Premium High Tack Grab Adhesive

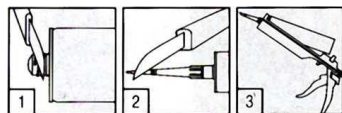
PROCESSING

Surface Preparation

The surfaces to be bonded must be clean, free from oils, grease, dust and loose particles. Pooled water should be removed. Check paint or coatings are firmly attached, if not remove it. In cases of unknown materials or critical applications adhesion pre-tests are recommended.

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). Because of the very high tack formula, the product has a high resistance to extrude. Therefore cut nozzle sufficient (min. 8mm diameter) or in a V-shape.



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 gun after appliance to stop adhesive from flowing. Firmly fix items to be bonded into position with a twisting action. If necessary (e.g. heavy items and items under tension), support the items until cured. Items can be adjusted after application. Minimum thickness of the adhesive layer should be 1 mm to ensure ventilation. Important in case of 2 non-absorbent surfaces: Adhesive must not form continuous areas as contact with air/moisture is necessary for adhesive setting. Make sure the adhesive beads do not merge! For filling applications: Maximum joint width: 20mm.

Firmly extrude UniBond Trade PL Premium High Tack high tack into the gap and make sure that it is a full contact with the sides of the gap. Fill the gap and avoid air entrapment. Product should be tooled firmly against the gap sides to ensure good adhesion.

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	1.65 g/cm ³
Open time	~ 15 min.
Gap filling	Max. 20 mm
Initial tack	35 g/cm ²
Final strength DIN EN 205	~ 2.0 N/mm ²
Shelf Life	15 month in cool places
Setting time	~ 2 mm / day
Coverage	~ 300 g/m ²
Elongation at break DIN 53504, S2	~ 100 %
Shore A hardness ISO868	~ 60
Modulus 100% DIN 53504, S2	~ 1.5 N/mm ²
Tensile strength BIN 53504, S2	~ 1.6 N/mm ²

IMPORTANT ADVICE

Cleaning

Clean tools and application equipment immediately using white spirit or ethanol. Cured product can only be removed mechanically (e.g. with a knife or a scraper).

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.



PL Premium High Tack Grab Adhesive

Shelf Life

15 Months when stored cool and dry in original, unopened packaging after date of manufacture.

SAFETY

Safety Advice

Consult the Material Safety Data Sheet (mymds.henkel.com) for UniBond Trade PL Premium High Tack.

www.unibond-trade.co.uk

PACKAGING

UniBond Trade PL Premium High Tack is supplied in 460g 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 PL Premium High Tack 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 PL Premium High Tack to seal bathtubs, washbasins or tiled walls/floors in bathrooms.

Will not bond to PE, PP, PTFE, PMMA (Acrylic), plasticized PVC, copper and brass.

Pre-test coated substrates to ensure suitability of use.

UniBond Trade PL Premium High Tack cannot be overpainted

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.

"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.unibond-trade.co.uk

