



# Technical Data Sheet



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## UniBond No More Nails Click & Fix

One-part and flexible, multipurpose assembly adhesive for indoor and outdoor applications based on Flextec<sup>®</sup>-Technology.

### **CHARACTERISTICS**

- Very high instant Tack
- Adjustable
- No stringing
- Moisture curing
- Non-slump
- Interior and exterior use
- Sensitive materials
- Flexible bonding
- Porous and non-porous surfaces
- Isocyanate-free
- Solvent-free
- Gap filling
- Sound and vibration damping
- Weather and UV resistant
- Bonds to damp surfaces
- No shrinkage

### **APPLICATION FIELD**

- UniBond No More Nails Click & Fix is multiple-substrate compatible including Brick, Ceramic, Concrete, Hardboard, Plasterboard, Plywood, MDF, Wood, Metal, UPVC, Glass, Plastics\*, painted surfaces\*, Mirrors\*\*.
- Suitable for most common building materials except natural stone, PE, PP, PTFE, acrylic glass, plasticized PVC, copper and brass. With coated substrates, a pre-check of product suitability or professional advice is recommended. Bonds to wet surfaces, however pooled water should be removed. Not recommended for areas of permanent water immersion or constant damp. Not overpaintable. Heavy or distorted items may require additional fixings.

\*Pre-test to determine suitable bonding, because of many different substrates. The adhesion of UniBond No More Nails All Materials Heavy Objects on polystyrene foam (Styrofoam) can be significantly improved, by primer with diluted wood glue. Mix wood glue about 1 : 1 with water and spread onto the substrate. After drying of the primer, PL Premium Grab Adhesive High Tack are ready to apply.

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



## INSTRUCTIONS FOR USE

### Pretreatment:

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:

Apply the glue dot:

Remove the cap and aluminium foil, then press the device firmly onto one of the surfaces to be bonded until you hear the click.

Fix your item:

Press items firmly together glue is adjustable for a few minutes and you are done! Replace cap immediately after use.

### 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).

## TECHNICAL DATA

Raw material	Flextec®-Polymer (moisture curing silane-terminated polymer (STP))
Appearance	Off white
Odour	Mild, Alcohol
Application temperature:	+5°C to +40°C (substrate and ambient)
Consistency	Non-slumping paste
Density (ISO 2811-1)	~1,65 g/cm <sup>3</sup>
Skin formation time (23°C, 50% r. h.)	~ 10 minutes
Open time	~ 15 minutes
Curing speed (23°C, 50% r. h., bead 20x10mm)	~ 2 mm / 24 hours
Initial tack	~ 35 g/cm <sup>2</sup>
Shore A hardness (ISO868)	~ 60
Modulus 100% (DIN 53504, S2)	~ 1,5 N/mm <sup>2</sup>
Elongation at break (DIN 53504, S2)	~ 100%
Tensile strength (DIN 53504, S2)	~ 1,6 N/mm <sup>2</sup>
Final Strength (DIN EN 205)	~ 2,0 N/mm <sup>2</sup> (lap-shear strength, wood/wood)
Service temperature	-30°C up to +80°C, 100°C for a short period



Coverage	Up to 20 x 1.5g doses per pack. See indicator on device for doses remaining.
Shelf life	Use within 18 months of date printed on blistercard. Once opened contents remain usable for up to 4 months (provided cap is replaced).

### LIMITATIONS

Do not use UniBond No More Nails Click & Fix, 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.

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.

### 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.

### HEALTH AND SAFETY

Before using the product please see related Material Safety Data Sheet that is available on request.

“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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