



# Technical Data Sheet



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## UniBond No More Nails All Materials Interior & Exterior Easy Pulse



### CHARACTERISTICS

- Instant Tack
- Flextec polymer based formula
- Moisture-reactive curing
- Fast curing
- Interior and exterior use
- Multiple materials
- Sensitive surfaces
- Flexible bonding
- No stringing or dripping
- Sound and vibration damping
- Porous- and non-porous surfaces
- Easy application at low temperature
- Isocyanate- free
- Solvent- free
- Gap-bridging
- Weather, UV and aging resistant
- Adjustable
- Works on damp surfaces
- No shrinkage

### APPLICATION FIELD

- UniBond No More Nails All Materials Interior & Exterior 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 No More Nails All Materials Interior & Exterior 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 the primer has dried, UniBond No More Nails All Materials Interior & Exterior can be applied.

\*\*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, PMMA (acrylic), 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/constant damp.
- Heavy or distorted items may require additional fixings



## INSTRUCTIONS FOR USE

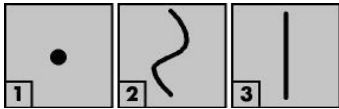
### Pretreatment

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

Twist to break the safety seal and remove nozzle cap whilst holding nozzle. 2) Turn around the nozzle anti-clockwise by 90°. 3) Gently press trigger, apply adhesive to one surface. Point away from face. 4) Firmly press into place with a twisting action. Once finished turn nozzle clockwise by 90° replace the cap.

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 beads**.



Apply within temperature range +10 °C to +40 °C.

Important in case of 2 non-absorbent surfaces: Make sure the adhesive dots/ lines do not merge as air contact is required for the adhesive to cure. Fully cures in 24-48 hours. Heavy or distorted items may need support whilst the adhesive cures. Fresh adhesive may be cleaned with a cloth soaked in solvent (alcohol or white spirit). Once fully cured, UniBond No More Nails All Materials Interior & Exterior can only really be removed by mechanical means (i.e. a chisel or similar tool).

### Cleaning tools

Fresh adhesive may be cleaned with a cloth soaked in a solvent (alcohol or white spirit).

Once fully cured, UniBond No More Nails All Materials Interior & Exterior can only really be removed by mechanical means (i.e. a chisel or similar tool).



## TECHNICAL DATA

Raw material	Flextec®-Polymer (moisture curing silane terminated polymer (STP))
Appearance	Off white
Odour	Mild, alcohol
Density	Approx. 1,65 g/cm <sup>3</sup>
Service temperature	-30°C up to +80°C, 100°C for short periods
Open time	Approx. 15 Min
Application temperature	+5°C up to +40°C
Consistency	Non-slumping paste
Gap bridging capacity	Up to 20 mm
Curing speed (23°C, 50% r. h., bead 20x10mm)	Approx. 1,5 mm/ 24 hours
Initial tack	Approx. 10 – 15 g/cm <sup>2</sup>
Skin formation time (23°C, 50% r. h.)	Approx. 10 minutes
Tensile strength	Approx. 1,3 N/mm <sup>2</sup>
Final Strength (DIN EN 205)	1 – 5 N/mm <sup>2</sup> (lap-shear strength, wood/wood)
Elongation at break (DIN 53504)	Approx. 80%
Curing Speed	2mm/24 h (23°C/50%r.h)
Coverage on flat surfaces	Approx. 7m using a 5mm bead or approx. 300 g/m <sup>2</sup>
Shrinkage	No shrinkage
Shore A hardness (ISO868)	Approx. 55
Shelf life	18 months  From date of production if stored in unopened original air pulse pressurised dispenser, in dry conditions and protected from direct sunlight at temperatures between +5°C and 25°C



## LIMITATIONS

Do not use UniBond No More Nails All Materials Interior & Exterior as a 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.

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

UniBond No More Nails All Materials Interior & Exterior cannot be over painted

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.

### Packaging

210g air pulse pressurised dispenser

## 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.

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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