



# Technical Data Sheet



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Ref: UC16000  
Issued: 22.11.2023  
Number of pages: 4

## UniBond No More Nails All Materials Quick Drying



### CHARACTERISTICS

- Flextec polymer based formula
  - Moisture-reactive curing
  - Flexible bonding
  - Fast build-up of strength
  - Handling strength after 20 minutes<sup>#</sup>
  - Instant Tack
  - Correctable for a few minutes
  - Interior and exterior use
  - Weather and aging resistant
  - Porous- and non-porous surfaces
  - Works on wet surfaces
  - Multiple materials
  - Sensitive materials
  - Gap-bridging
  - No stringing or dripping
  - No shrinkage
  - Easy application at low temperature
  - Isocyanate- free
  - Solvent- free
  - Phthalate-free
- <sup>#</sup> depending on substrate and application

### APPLICATION FIELD

- UniBond No More Nails All Materials Quick Drying 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.\*\*Use mirrors acc. DIN EN 1036-1, ask for technical advice for large-scale objects.

- All absorbent and non-absorbent substrates except PE, PP, PTFE, acrylic glass, copper, brass, Styrofoam and plasticized PVC are suitable. 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.



## INSTRUCTIONS FOR USE

### Pretreatment

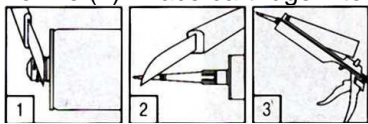
Ensure surfaces to be bonded are clean and free of dust, grease or oil. Pooled water on absorbent substrates should be first removed.

Substrates must be stable, clean and free from substances. Remove the soiling with the appropriate solvent or sand down surfaces and clean afterwards from dust. Before application, mask off the adjacent area with foil or tape, if necessary. Check paint or coatings are firmly attached, if not remove it.

Curing of the adhesive requires the intake of a small amount of moisture (either from the atmosphere and/or from the substrate).

### 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).



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



Release gun after appliance to stop adhesive from flowing.

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 setting. 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.

## TECHNICAL DATA

### Uncured material

Raw material	Silane cross-linking polymer (Flextec)
Density	Approx. 1,4 g/cm <sup>3</sup>
Application temperature	+5°C up to +40°C
Open time	Approx. 5 Min
Initial tack	Approx. 10 g/cm <sup>2</sup>
Curing Speed	2mm/24 h (23°C/50%r.h)
Gap bridging capacity	Up to 20 mm
Coverage on flat surfaces	Approx. 11m using a 5mm bead or approx. 300 g/m <sup>2</sup>
Shrinkage	No shrinkage
Shelf life	12 months



	From date of production if stored in unopened original cartridges, in dry conditions and protected from direct sunlight at temperatures between +5°C and 25°C
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### Cured material

Heat resistance	-30°C up to +80°C, 100°C for short periods
Bond resistance	Weather, aging and moisture resistant
Final Strength (DIN EN 205)	3,0 - 3,5 N/mm <sup>2</sup> <small>(lap-shear strength, Alu/Alu)</small>
Elongation at rupture (DIN 53504)	Approx. 200 - 250 %

### LIMITATIONS

#### Cleaning

Clean directly after use with a dry cloth and afterwards with commercial thinners or cleaning petrol. Remove uncured spots of adhesive at once. The cured UniBond No More Nails All Materials Quick Drying is insoluble in all solvents and can only be removed mechanically with appropriate tool (scraper). Clean tools immediately after use with thinner or white spirit.

Do not use UniBond No More Nails All Materials Quick Drying 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 Quick Drying 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.

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#### Storage

Store cool, dry and unopened. Once opened, be sure to recap, use entire cartridge shortly after opening. Store away from heat, flame, and spark in a cool, well ventilated area. Product is not damaged by freezing, but avoid big temperature-changing during storage. Keep away from children.

#### Packaging

390g PE cartridge



## 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.

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