



Technical Data Sheet



Technical Data Sheet
Ref: NRPTX33000TDS
Issued: 15.04.20
Number of pages: 4



Pattex No More Nails Crystal

CHARACTERISTICS

- Instant Tack
- Flextec polymer based formula
- Moisture-reactive curing
- Fast curing
- Interior and exterior use
- Multiple materials
- Sensitive materials
- Flexible bonding
- No stringing or dripping
- Sound and vibration damping
- Sealing properties
- Porous- and non-porous surfaces
- Easy application at low temperature
- Isocyanate- free
- Solvent- free
- Gap-bridging
- Weather and aging resistant
- Correctable for a few minutes
- Works on wet surfaces
- No shrinkage

APPLICATION FIELD

- Pattex No More Nails Crystal is suitable for bonding multiple absorbent and non-absorbent substrates 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 Pattex No More Nails Crystal 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 Pattex No More Nails Crystal are ready to apply.

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



- 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.

STANDARDS

- Conforms to ISO 16938-1 and -2: Suitable for natural stone, no staining

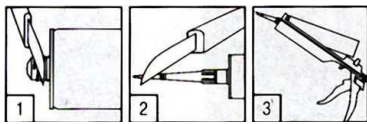
INSTRUCTIONS FOR USE

Pretreatment

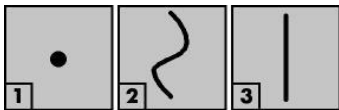
Ensure surfaces to be bonded are clean and free of dust, grease or oil. Pooled water should be removed. Substrates must be stable. Remove any contaminants likely to impair adhesion. Before application, mask off the adjacent area with foil or tape, if necessary. Check paint or coatings are firmly attached, if not remove it.

Application

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** beads.



Release gun after appliance to stop 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. 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

Raw material	Flextec®-Polymer (moisture curing silane terminated polymer (STP))
Density	1,6 - 1,7 g/cm ³
Heat resistance	-30°C up to +80°C, 100°C for short periods
Open time	~ 15 min.
Application temperature	+5°C up to +40°C
Consumption	250-350 g/m ²
Gap bridging capacity	Up to 20 mm
Initial tack	~14 g/cm ²
Final Strength (DIN EN 205)	1,0 to 2,0 N/mm ²
Elongation at break (DIN 53504)	~100 %
Curing Speed	~2 mm /24h
Shrinkage	No shrinkage
Shelf Life	18 months from date of manufacture, unopened container stored in cool, dry place

LIMITATIONS

Do not use Pattex No More Nails Waterproof 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.

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.

Pattex No More Nails Waterproof cannot be over painted

Cleaning

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

Once fully cured, Pattex No More Nails Crystal can only really be removed by mechanical means (i.e. a chisel or similar tool).

**Storage**

Store in cool dry conditions between +10°C and 25°C. The Product is not damaged by freezing, 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.

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 Norden AB

Box 151 22

Gustavslundsvägen 151A

SE-167 15 Bromma, Sweden