

Technical Data Sheet – Pattex NMN Polymer



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Pattex NMN INT & EXT 142g Tube x 12

EAN code: 600 109 135 2423

Product description: One-part and flexible, multipurpose assembly adhesive for indoor and outdoor applications based on Flextec®-Technology.

CHARACTERISTICS

- High instant Tack
- Flextec polymer based formula
- Moisture-reactive curing
- Interior and exterior use
- Multiple materials
- Sensitive materials
- Flexible bonding
- No stringing or dripping
- Sound and vibration damping
- Porous- and non-porous surfaces
- Over paintable and sand able once cured
- Easy application at low temperature
- Isocyanate- free
- Solvent- free
- Crack-bridging
- Weather and aging resistant
- Correctable for a few minutes
- Works on wet surfaces
- No shrinkage

APPLICATION FIELD

- PL 70 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 PL 70 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, PL 70 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.

STANDARDS

- VOC emission Class (France): A+

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

INSTRUCTIONS FOR USE

Pretreatment

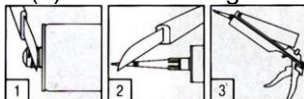
Ensure surfaces to be bonded are clean and free of dust, grease or oil. Pooled water on absorbent substrates should be first removed.

Substrates must be stable. 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 or substrate). Adhesion on many smooth surfaces can be improved with a wash-primer like Ceresit Haftreiniger P 819 (L819H), Sista Haftreiniger P819 (D819M) or Terostat 450 (IDH No. 642 844).

Application

Cut off tip of the cartridge above the screw thread (1). Screw on plastic nozzle and 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 (not valid for Foldable Gun (DW111/120)). For good extrudability, cut the nozzle sufficient (min. 5mm diameter) or in a V-shape.

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.

After curing:

When fully cured PL 70 white can be painted, water-based acrylic paints are particularly suitable.

We recommend pretest, because of the many different paints. Oxygen-curing paints (e.g. alkyd-resin) show longer drying/tackiness. 2K-Epoxy paints show bad levelling property.

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 rupture (DIN 53504)	~100 %
Curing Speed	~2 mm /24h
Shrinkage	No shrinkage
Shelf Life	Cartridges 18 months Internal remark: 24 months shelf life possible, if special cartridges are used. Please ask Packaging /IBM/ TS Tubes 18 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

LIMITATIONS



Excellence is our Passion

Cleaning tools

Remove uncured spots of adhesive at once, clean tools directly after use with a dry cloth and afterwards with commercial solvents, alcohol or cleaning petrol, do not use water.

The cured PL 70 is insoluble in all solvents and can only be removed mechanically with appropriate tool (scraper).

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.

HEALTH AND SAFETY

Before using the product, please see related Material Safety Data Sheet. It 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.

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