



Technical Data Sheet



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Ref: NRLO12000TDS
Issued: 02.04.20
Number of pages: 03

Loctite Repair Extreme

CHARACTERISTICS

- Adhesion on many different substrates
- Water- and solvent free multi-purpose liquid adhesive based on Henkel's FLEXTEC® technology (Silane crosslinking polymer, "Hybrid Glue")
- Does not wrinkle paper
- Flexible
- Gap-filling
- For interior and exterior use
- Shock resistant
- Moisture-curing

APPLICATION FIELD

- Ideal for repairing, crafting and building jobs in and around the house. For interior and exterior applications.
- Glues and coats many absorbent and non-absorbent materials like aluminium, concrete, stainless steel, tiles, glass, wood, ceramic, cork, copper¹, painted and varnished surfaces², glass-fibre reinforced polyester (GFR), leather, linen, brass¹, paper, cardboard, rigid PVC, polycarbonate, steel, polystyrene foam (Styrofoam®), mirrors³, stones/natural stones, zinc
- Not suitable for polyethylene (PE), polypropylene (PP), polytetrafluoro-ethylene (PTFE) (Teflon®), ABS and rigid polystyrene
- Loctite Repair Extreme is compatible with acrylic paints, DD lacquers and alkyd resin varnishes. When using alkyd resin paints, drying may be delayed. Hybrid is not compatible with one-component PU paints.





INSTRUCTIONS FOR USE

Application surface

Loctite Repair Extreme is suitable for many absorbent and non-absorbent surfaces except polyethylene, polypropylene, rigid polystyrene, ABS and Teflon®

Surface preparation

To ensure good adhesion, some moisture is needed (from the surfaces and/or from the air). The surfaces must be sound and clean. Remove contaminants, e.g. dust, grease, oil or rust with alcohol, acetone.

Check bonding strength between coverings and the substrate, remove loose varnishes. Mask off the adjacent area before gluing with a foil or tape if necessary.

Application

- Clean the surface to be bonded. Apply a thin layer of glue to one surface. For porous materials you may need higher amount of glue. Press surfaces together and tape or clamp for at least 30 minutes.
- For two non-absorbent surfaces: Wet the surfaces with a damp cloth, apply the glue on both surfaces in thin and even layers and immediately press firmly and tape or clamp for at least 30 minutes.

Important information:

After setting, Loctite Repair Extreme can be painted, especially with waterbased acrylic lacquer.

The product cures with humidity: keep the nozzle and the cap of the bottle clean.
Pre-test in a hidden area if using on plastics or lacquered surfaces.

The cured product is water-resistant, but not suitable for permanent water immersion.
Use mirrors acc. DIN 1238,5.1 and DIN EN 1036, ask for technical advice for large scale objects.

TECHNICAL DATA

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| Composition | Silane-curing polymer |
| Density(25°C) | Approx. 1.10 g/cm ³ |
| Colour | transparent |
| Pack | 50ml and 100ml bottle |
| Application temperature | +5°C up to +40°C |
| Open time (at 13°C, 50% R.H.) | 5-7 min., depending on temperature and relative humidity |
| Elongation at break | Approx. 100% (film) |
| Temperature resistance | -50°C up to +80°C (short-term exposure) |
| Finale lap shear strength | 3.0 – 4.0 N/mm ² (wood) |
| Shelf Life (25°C, 50% r.h.) | 12 months, from date of production |



LIMITATIONS

- ¹ Before application, carry out tests to ensure the compatibility of Hybrid Glue with non-ferrous metals like copper, bronze and brass.
- ² Before application, carry out tests and check on a case-to-case basis if Hybrid Glue is compatible with different coating systems (paints, varnishes, powder coatings).
- ³ Mirrors whose reflection and protective coating complies with DIN 1238 5.1 and DIN EN 1036.

Cleaning tools

Immediately after use clean the tools with alcohol or acetone. Cured material can only be removed mechanically.

Removal of adhesive remnants: Fresh product can be easily removed with a dry cloth. Uncured adhesive is removable with acetone or alcohol.

Storage

Store the product tightly closed in a cool and dry place. Avoid direct sunlight. Not sensitive to frost.

HEALTH AND SAFETY

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

Precautionary measures: Keep out of reach of children. If skin contact occurs, remove immediately and wash with soap and water.

DISPOSAL

Fully dried product residues can be disposed of as domestic waste. Dispose of nonhardened product residues according to the applicable local regulations. Large product amounts must be disposed of separately. Waste disposal code (according to EWC): 08 04 10. Return the empty packaging for recycling.

The information provided herein, especially recommendations for the use and application of our products, is based upon our current knowledge and experience. Due to different possible applications as well as varying application and working conditions, which are beyond our control, we strongly recommend to carry out sufficient extensive prior trials to confirm the suitability of our products for the relevant production processes, as well as the intended applications and results. Any liability in respect of the information in this Technical Data Sheet or any oral recommendations is excluded, except in the event of harm to life, physical injury or harm to health or if we are liable-for gross negligence or willful misconduct or according to applicable mandatory product liability law.

Henkel Norden AB

Box 151 22
Gustavslundsvägen 151A
SE-167 15 Bromma, Sweden

