TECHNICAL DATA SHEET

Pattex

DARE TO DO

PATTEX REPAIR EXTREME

DESCRIPTION

Pattex Repair Extreme glue is ideal for repair jobs in the home, office and outdoors. It is best suited for applications where there is a lot of movement, so a flexible bond is required. Examples are repairing a shoe or a bicycle seat. Suitable for use on a wide variety of surfaces. It dries transparent, waterproof and flexible. Resistant to shocks and vibrations and does not drip.

IDH	Packaging type	Size
2751635	Tube	8g

CHARACTERISTICS

- FlexTec® polymer technology
- Flexible and shock resistant bond
- Waterproof and temperature resistant
- Solvent free
- Gap filling

APPLICATION FIELD

- For DIY, repair and modelling work in and around the house.
- Glues and coats many absorbent and non-absorbent materials like aluminium, concrete, stainless steel, tiles, glass, wood, ceramic, cork, copper*1), varnished surfaces*2), glass-fibre reinforced polyester (GFP), leather, linen, brass*1), paper, cardboard, rigid PVC, polycarbonate, steel, polystyrene foam (Styrofoam®), mirrors*3), stones/natural stones, zinc.
- Not suitable for polyethylene (PE), polypropylene (PP), polytetrafluoro-ethylene (PTFE) (Teflon®), ABS and rigid polystyrene.

INSTRUCTIONS FOR USE

Pretreatment

The material to be bonded should be clean and free of grease and dust. Clean laminates, metal etc. with solvent (washing benzene or alcohol). Additional abrading increases bonding strength with metals. The adhesive cures by absorbing moisture from the environment, so make sure the applied glue film has contact to ambient air. In case of gluing two non absorbent surfaces curing time can be slowed down. To optimize curing time you can previously clean surface with a damp cloth but make sure to avoid wetness, pooling water or drop formation.

For coated materials pretest adhesion and roughen if necessary.

Application

Depending on the nature of your repair job you can choose among three different ways of applications:

1. Transparent bonding.

Apply Pattex Repair eXtreme in a thin layer to get a transparent film. Keep the items pressed for approx.1 hour.

2. Fill gaps.

Apply Pattex Repair eXtreme in a thick layer to fill gaps up to 5mm max. Fix or clamp the items together for 1 – 3 hours and do not touch or move them. In 24 hours, 70% of the full adhesion strength is achieved.

3. High initial grip.

Apply Pattex Repair eXtreme on both surfaces in thin and even layers. Leave for 3 minutes. Use as a contact adhesive. After Pattex Repair eXtreme become tacky, like pressure sensitive tape, bring the items together immediately and press firmly. Make sure the glue does not get a skin before assembling parts. Fixation is not necessary in many cases. Please note that final strengths can decrease when used as contact glue.

By all applications, please make sure to keep the tube noozle and cap clean and immediately tightly close cap to avoid curing of the glue at the noozle.

TECHNICAL DATA

Composition	Silane modified polymer based
Density	ca. 1,1 g/cm3 bei 25°C
Heat resistance	-50°C up to 120°C
Open time	3-5 min, depending on temperature and relative humidity
Application temperature	+5°C up to +40°C
Gap filling	Up to 5mm
Final lapshear strength (acc. DIN EN 205)	3-11 N/mm2 dep. on material
Shelf Life	18 months
Cure through speed	2mm every 24 hours, depending on temperature and humidity

LIMITATIONS

Though adhesive is water resistant, no long term water immersion is recommendable.
Put the cap back immediately after applying the glue since it cures very fast.

Cleaning tools

Clean tools with thinner, alcohol or wash benzene immediately after use. Once cured Pattex Repair eXtreme is not soluble in any solvent and it can only be removed mechanically.

Storage

Store tightly close and at room temperature. Avoid humidity and temperatures lower +5°C and above +50°C.

HEALTH AND SAFETY

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

Henkel **Quality for Professionals**