

Liquimate 7700 Mini Rapid cartridge

Description

Two-component polyurethane structural adhesive, fast curing at room temperature, with a very high modulus of elasticity. Suitable for repairing or bonding plastics in vehicle construction as well as in the home and garden and for hobbies.



Properties

- can be painted over
- easy to use
- hardly any loss of material
- high strength
- rapid curing
- compatible with Liquimate 7700 Mini adhesive (part no. 6162)

Technical data

Base	polyurethane
Color / appearance	colourless to yellow (B) schwarz/black
Density at 23°C	1,3 g/cm ³
Elongation at 100 %	for 6-12 cm approx. 100 %
Viscosity	30.000 mPas
Processing temperature	23 °C
Shear force	12 - 15 N/mm ²
Grindability after	after 15-20 min further processing such as grinding, drilling and thread cutting
Can be painted over after	2h
Adhesion	700N (grundiertes Polypropylen/primed polypropylene) 200 N (nicht grundiertes Polypropylen/non-primed polypropylene) 700 N (nicht grundiertes Polycarbonat/non-primed polycarbonate) 900 N (nicht grundiertes ABS/non-primed ABS)
Full curing	24 h
Processing time	approx. 1 min depending on coating thickness min
Mixing ratio	1:1 +/- 0,05
Form	viscous (B) flüssig
Odor	characteristic
Shelf life in original sealed container	18 Monate

Technical data

Recommended storage temperature 10 - 20 °C

Areas of application

Outstandingly suitable for the repair or bonding of all plastic parts commonly used in vehicle construction as well as the home, for hobbies and gardening (thermoplastics, duroplastics). Also suitable for gluing broken parts and for filling holes, cracks and joints in metal, wood, stone, concrete or glass.

Chemical resistance:

No effect: Water, salt water, oils and greases, acetic acid 10 %, diluted inorganic acids and bases

Little effect: aliphatic solvents, gasoline and diesel, water 90 °C

Destructive effect: gasoline and diesel, esters, ketones, aromatic hydrocarbons, concentrated acids, chlorinated hydrocarbons

Substrates:

Very suitable:

Plastics: ABS, PA, PC, PMMA, polyester, PS polystyrene, PUR, PVC hard/soft
Composites and others: GFRP, carbon, SMC, EPDM, biofiber composites, PP-EPDM, silicon carbides, nitrides, borides

No test values:

Plastics: PBT, PE-HDPE, LDPE, PTEE, PETG, PP, PPE, PPSU, PDCPE, TPO
Composites and others: BMC, DMC

Application

1. Clean the parts to be processed thoroughly with water and then dry.
2. In the event of damage with crack formation, 4 -

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5 mm holes must be drilled at each end.

3. If a painted component is affected, the paint as well as the primer is to be removed on both sides approx.

3 cm around the damaged area. For non-painted parts, the bonding surface is to be abraded using sandpaper (80 – 120 grain).

4. To get enough bonding agent into the repair area to be processed in the event of crack formation, a v-notch should be cut from the outside using a knife.

5. The area to be processed can be repaired or bonded with adhesive. The reverse side of the bonding surface is processed first and then the front side.

6. After approx. 15 – 30 minutes, the repaired or bonded components can be further processed by grinding, drilling or thread cutting, for example.

Note: Uncured residues of glue can be removed using cleaner and thinner (part no. 6130). Cured residues can only be removed by mechanical means. Wear gloves for processing!

Available pack sizes

50 ml Cartridge plastic 6126
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Our information is based on thorough research and may be considered reliable, although not legally binding.