

Liquimate 7700 Mini cartridge

Description

Two-component polyurethane structural adhesive, fast curing at room temperature, with a very high modulus of elasticity. Suitable for repairing plastics in vehicle construction.

Properties

- can be painted over
- high strength
- rapid curing
- easy to use
- compatible with Liquimate 7700 Mini Rapid adhesive (part no. 6126)
- hardly any loss of material

Technical data

Base	Härter (A), Isocyanat (B) / Hardener (A), Isocyanate (B)
Color / appearance	braun (A) brown (A) / schwarz (B) black (B)
Density at 23°C	1,02 (A) / 1,19 (B) g/cm ³
Elongation at 100 %	ca. 3 min. je nach Schichtstärke / ca. 3 min. depending on coating thickness
Viscosity	~50.000 mPas
Processing temperature	+10 – + 30 °C
Shear force	16 N/mm ²
Grindability after	15-30 min
Can be painted over after	2h
Adhesion	700N (grundiertes Polypropylen), 200 N (nicht grundiertes Polypropylen), 700 N (nicht grundiertes Polycarbonat), 900 N (nicht grundiertes ABS) / ...
Full curing	2 h
Processing time	ca. 2 min. je nach Schichtstärke min
Mixing ratio	1:1 +/- 0,05
Flash point	>200 °C
Form	flüssig / liquid
Odor	charakteristisch / characteristic



Technical data

Shelf life in original sealed 24 months container

Recommended storage temperature 4 - 22 °C

Areas of application

Outstandingly suitable for the repair or bonding of all plastic parts commonly used in vehicle construction, the home, for hobbies and gardening (thermoplastics, duroplastics).

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

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 – 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.

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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 6162
D-GB

Our information is based on thorough research and may be considered reliable, although not legally binding.