## **Product information**

# 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 Hardener (A), Isocyanate (B) Color / appearance white (A), black (B) Density at 23°C ~1,24 (A), ~1,29 (B) q/cm<sup>3</sup> Elongation at 100 % ca. 3 min. depending on coating thickness Viscosity ~49.000 (A), ~ 50.000 mPas Form paste

Processing temperature +10 - +30 °C
Grindability after 10 min
Can be painted over after 10 min
Full curing 24 h

Processing time  $90 (23^{\circ}\text{C}) \text{ s}$ Mixing ratio 1:1 +/- 0.05

Shore D hardness 73

EN ISO 868

Tensile strength 26 MPa

EN ISO 527

Modulus of elasticity 210 MPa

EN ISO 527

Elongation at break 58 %

EN ISO 527 +15 -+32 °C

Recommended storage

temperature

Shelf life in original sealed 24 months

container

## 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,



PI 30/05/12/2023

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

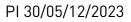
Composites and others: BMC, DMC

## **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 vnotch 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

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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.

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