



# Shanghai Jichuan Trading

## LIQUI<sup>mate</sup> 2K-Epoxy-Kleber (2C Epoxy Adhesive)

### DESCRIPTION

LIQUI<sup>mate</sup> 2C Epoxy Adhesive is a two-component adhesive which is solvent-free and has a wide adhesion spectrum and outstanding stability. LIQUI<sup>mate</sup> 2C Epoxy Adhesive is a corrosion resistant, adhesive sealant system for body repairs and is also suitable for use as a high-strength adhesive for bonding metals, plastics and composite materials. The product can be used to bond the materials to themselves and to each other.

### PROPERTIES

- solvent-free
- broad adhesion spectrum
- outstanding rigidity

### TECHNICAL DATA

	Comp. I Resin	Comp. II Hardener
Color	: beige	-
Density at 25 °C	: 1.43	-
Odor	: characteristic	characteristic
Flash point	: >150	>100
Viscosity	: 150-200 Pa.s/25 °C	-
Mixing ratio (by volume)	: 1:1 +/- 0.05	
Processing temperature	: +10 °C to +35 °C	
Processing time (follow the instructions exactly)	: approx. 30 minutes at 23 °C	
Handling strength (>1 Mpa shear strength)	: approx. 4 hours at 23 °C approx. 20 minutes at 60 °C	
Curing time (>10 Mpa shear strength)	: approx. 24 hours at 23 °C approx. 3 hours at 60 °C	
Shear strength /EN 1465) (thickness of adhesive 0.2 mm)	: >14 Mpa	
Fatigue test (40 Hz at 23 °C)	: on aluminum (sand-blasted)	
at 3.2 Mpa maximum load	: > 10 <sup>7</sup> cycles	
at 4.0 Mpa maximum load	: > 10 <sup>7</sup> cycles	
at 4.8 Mpa maximum load	: 3 x 10 <sup>6</sup> cycles	

Shanghai Jichuan Trading Co.,Ltd.

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Tropical test 40/92 (DIN 50015)	: Curing 16 hours at 40 °C
after 30 days of storage	>12 Mpa shear strength (thickness of adhesive coating 0.2 mm)
after 60 days of storage	>10 Mpa shear strength (thickness of adhesive coating 0.2 mm)
Climbing drum peel test (ISO 4578) :	4.5 N/mm
Heat resistance	: 80 °C (short periods to 130 °C)
Processing time	: approx. 30 minutes
Curing time at 60 °C	: 4 hours
at 23 °C	: 24 hours
Storage life	: 12 months if stored properly (10 °C 25 °C) and if drums are unopened. <b>Please take note of the expiry date.</b>
Adhesive spectrum	: Suitable for bright steel, galvanized and cathophoretic-primed, aluminum and plastics (preliminary test recommended).
Chemical resistance	: Good against dilute, aqueous chemical solutions, benzene and alcohol; partially good against esters, ketones and aromatic and chlorinated hydrocarbons.
Subsequent cleaning	: Uncured residues of LIQUI <sup>mate</sup> 2C Epoxy Adhesive can be removed with Cleaner and Thinner. Cured residues can only be removed mechanically.
<b>LIQUIwipe 04604</b>	
Color	: colorless
Density at 20 °C	: 0.79 g/cm <sup>3</sup>
Odor	: characteristic
Flash point	: 12 °C
Boiling point	: 82 °C

## APPLICATIONS

Suitable for high-strength bonding of metal, plastic and composite materials (to themselves or to each other).

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## APPLICATION

Bonding surfaces must be dry and free of dirt, dust and grease. For a permanent bond, the bonding surfaces must be cleaned/activated with LIQUIwipe 04604.

### Note

**Do not use cellulose lacquer thinner or alcohol for cleaning.**

## AVAILABLE PACK SIZE

LIQUImate 2C Epoxy Adhesive consisting of

Part. no. 6145

2 x 80 ml set  
1 x LIQUIwipe 04604, 100 ml  
2 x static mixers  
1 x metal repair hardware kit

### Processing equipment

Liquimix 3 professional gun. Part no. 6210

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