



# Shanghai Jichuan Trading

## LIQUI $mate$ 8100 1K PUR (1C PUR)

### DESCRIPTION

A 1-component, paste-like polyurethane-based adhesive/sealant which is cross-linked (cured) by the moisture from the air to form a rubbery-elastic material. The skinning and curing times are both dependent on the humidity of the air and the temperature, but the curing time is also dependent on the depth of the joint. These times can be shortened by raising the temperature and humidity. Low temperatures and humidities have a retarding effect.

### PROPERTIES

- paste-like
- quick drying
- capacity for being painted over not very high
- UV resistant without painting
- high-strength adhesion
- permanently elastic after curing

### TECHNICAL DATA

Base	:	polyurethane
Color	:	gray
Form	:	stable paste
Density	:	1.2 g/cm <sup>3</sup>
Flash point	:	>55 °C
Curing system	:	cured by moisture in the air
Curing rate	:	3 mm/24 h (+20 °C and 65 % r.h.)
Skimming*	:	approx. 15 min (+20 °C and 65 % r.h.)
Shore A hardness (DIN 53 505)	:	40 +/- 5
Shrinkage	:	max. 4 %
Heat resistance after curing	:	-30 °C to +90 °C
Resilience	:	>80 %
Maximum deformation	:	15 %
Maximum stress	:	1.50 N/mm <sup>2</sup> (DIN 530504)
Module of elasticity 100 %	:	0.60 N/mm <sup>2</sup> (DIN 53 504)

\* These values may vary due to environmental factors such as temperature, humidity and the nature or the substrate.

Shanghai Jichuan Trading Co.,Ltd.

Add: No 1201, Yin Hai Building, Caoxi Road,  
Xuhui District, Shanghai

24h Hotline: 15900706965

Website: [www.pingyiao.com](http://www.pingyiao.com)

Tel: (86) 021-64820099

Fax: (86) 021-64513829

E-mail: [info@jichuan.sh.cn](mailto:info@jichuan.sh.cn)



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## APPLICATIONS

LIQUI*mate* 8100 1C PUR is used for elastic sealing/adhesion, particularly for seam sealing and the sealing of narrow joints in the following areas of use:

- body manufacture and vehicle manufacture
  - wagon building and container manufacture
  - motor vehicle body building
  - ship and boat building
  - metal and sheet-metal working
  - bonding of custom parts such as spoilers and decorative trims
- for both interior and exterior applications.

## APPLICATION

All external seams should be painted over. Before the adhesive/sealant has cured, joints must be temporarily held with adhesive tapes or spacers. LIQUI*mate* 8100 1C PUR offers a great advantage in that it both seals and bonds the material. LIQUI*mate* 8100 1C PUR is not suitable or is only suitable to a limited extent for structural bonds.

## AVAILABLE PACK SIZE

LIQUI*mate* 8100 1C PUR 310 ml cartridge Part. no. 6154  
(gray)

### Processing equipment

- Compressed air cartridge gun, Part no. 6229
- Telescopic gun, Part no. 6230
- LIQUI-Akkufix, Part no. 6209

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