

## Liquimate 8100 1K-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

- fast-drying
- extremely high UV resistance
- high bond strength
- can be painted over after skin formation (preliminary tests recommended)
- permanently elastic after curing

### Technical data

Base	Polyurethan / polyurethane
Color / appearance	schwarz,weiß,grau / black,white,gray
Form	stabile Paste / stable paste
Density at 20 °C	1,17 g/ml
Flash point	n.A.
Curing system	härtet aus durch Luftfeuchtigkeit / cures through air humidity
Curing rate at 20 °C / 65 % rh	3 mm/24 h
Skin formation time at 20 °C/65 % relative humidity	~ 45 min
Hardness, Shore A	48 DIN 53 505
Volume change	max. 6 % DIN 52 451
Elongation at break	450 % DIN 53504
Thermal stability after curing	-30°C - +90°C (kurzfristig bis +120°C) / -30°C - +90°C (temporary up to +120°C)
Maximum deformation	20 %
Maximum stress	2,0 N/mm <sup>2</sup> DIN 53 504



### Technical data

Shelf life	18 Monate (Original verschlossen) / 18 months (unopened original packaging)
Tear growth resistance	9 N/mm <sup>2</sup> DIN 53 515
Shelf life in original sealed container	18 Monate

### Areas of application

LIQUIMATE 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.

Note on working with adhesive sealants In general, the material is ready to be overcoated following skin formation time.

- Do not work with the product in temperatures below 10 °C.
- For temperatures between 10 °C and 15 °C, drying takes approx. 2 - 3 hours.
- The optimal processing temperature is between 15 °C and 25 °C.

### For safety reasons, check to see that there is skin formation prior to overcoating!

As sealants are not completely dry following skin formation time, the vehicle should be parked in a room whose temperature is above 15 °C for at least 24 hours after sealing, if the outside temperature is below 10 °C.

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### Application

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

### Available pack sizes

300 ml Cartridge aluminum	6154
	D-GB-F-I-E-NL-P
300 ml Cartridge aluminum	6146
	D-GB-F-I-E-NL-P
300 ml Cartridge aluminum	6147
	D-GB-F-I-E-NL-P

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