

Liquimate 8100 1K-PUR black

Description

1-component, paste-like polyurethane-based adhesive/sealant which is set (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

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

Technical data

Base	polyurethane
Color / appearance	black
Form	pastelike
Density at 20 °C	1,4 g/cm ³
Flash point	n.a.
Curing system	cures through air humidity
Curing rate at 23 °C / 50 % rh	3 mm/24 h DIN 50 014
Skin formation time at 23 °C/50 % relative humidity	45 min DIN 50 014
Hardness, Shore A	45 DIN ISO 7619-1
Volume change	-6 % DIN EN ISO 10563
Elongation at break	800 % DIN EN ISO 527
Thermal stability after curing	-60 to +90, short-term +120 °C
Shelf life in original sealed container	18 months
Recommended storage temperature	≤ 25 °C

Areas of application

Liquimate 8100 1C PUR is used for elastic sealing/bonding, particularly for seam sealing and the sealing of narrow joints in the following areas of use – body and vehicle manufacture – wagon and container building – vehicle superstructures – ship and boat building – metal and sheet metal working – bonding of tuning parts such as spoilers and decorative trims, for



both interior and exterior applications.

Application

All external seams should be painted over (the compatibility must be tested in preliminary tests). 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 only suitable to a limited extent for structural bonds.

Note on working with adhesive sealants

In general, the material is ready to be painted over following skin formation time.

- Do not work with the product at 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 painting over!

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.

Available pack sizes

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

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