

PU Adhesive and Sealant



VOC (grey and black): 125.5 g/L
EU limit value: 2004/42/IIIB(e)(840)

DESCRIPTION

PU Adhesive and Sealant is a one-component polyurethane sealant. By reaction with air humidity, the product cures into a strong but flexible rubber, with excellent adhesion to many substrates. It will not sag even when applied in thick layers. The product is resistant to ageing, weather and is impermeable to water.

APPLICATION

PU Adhesive and Sealant is suitable for sealing all kinds of joints: overlaps, flanges, linear-weldings, spotweldings etc. It is also used to seal drains, lamp housings, reversible roofs and other car body parts.

CHARACTERISTICS

- Excellent adhesion to most rough and treated metal sheet
- Once fully cured* the sealer can be recoated with any two component paint materials

* preliminary tests are recommended prior to application of resin-based paints.

SUBSTRATES

Various metal surfaces, e. g. aluminium, wood, primed substrates, thermoreactive plastic, old/OEM coatings.

Articles	Description	Pcs. / pack
5-113-0310	PU Adhesive and Sealant Grey, 310 ml	12
5-115-0310	PU Adhesive and Sealant Black, 310 ml	12

SUBSTRATE PRETREATMENT



Clean and degrease surfaces with solvent like acetone. Oxidized metal surfaces and concrete must be first sanded and then cleaned. Degrease PVC, aluminum and glass with a non greasy solvent, like acetone.

APPLICATION



- The temperature of the substrate must be within +5...+40°C
- In case of application by cold weather, store the cartridges at 20°C before use
- Prior to application, carry out a test on adhesion efficiency and compatibility with each of the materials upon which the sealant will be applied

Puncture the cartridge and section the nozzle according to the extrusion diameter required, remove the metal base and the dehydrating salts and extrude from cartridge with a manual or pneumatic gun.



Film thickness depends on the characteristics of the materials being bonded.

The joint should be overlapped on the previous section; the end-to-end joint is prohibited to avoid the leakage of water. The process of bonding must take no more than 10 minutes.

PU sealant has a relatively high viscosity. Therefore, it is advisable to use special clamps for locking the parts being bonded until the sealant dries completely.



Tack free time at 23°C and 50% r.h.: 25-30 min

TECHNICAL DATA

Colour	Grey	Black
Density at 23°C and 50% r.h.	1270 g/L	1240 g/L
Curing through volume (1 day at 23°C and 50% r.h.)	≥ 4 mm	≥ 4 mm
Shore A at 23°C and 50% r.h; DIN 53505	52	52
Tensile strength (ISO 37 DIN 53504)	≥ 2.0 N/mm ²	≥ 2.0 N/mm ²
Elongation (ISO 37 DIN 53504)	≥ 250%	≥ 250%
Application temperature	+5°C...+40°C	+5°C...+40°C
Temperature Resistance	-40°C...+90°C, briefly at 120°C	-40°C...+90°C, briefly at 120°C

STORAGE



Store in cool dry place and at temperature < 25°C, avoid sunlight