



Sealing and bonding

GETO PUR 21

Universal implementation

Clean, safe, impermeable

Seam, butt, and joint seal

Description

1-component, elastic PU-based sealing adhesive, which hardens with humidity. Excellent bonding on primed and painted metals, aluminum, wood, and various plastics. Versatile industrial and trade implementation in metal and plastic processing.

Brief description

Universal sealant

Characteristics

- One-component
- Elastic
- Can be painted over, rubbed-down
- Bond + seal

Application areas

- Body, vehicle, container construction
- HVAC
- Metal construction, ship and boat building

Paint compatibility

After curing, GETO PUR 21 can be painted over with off-the-shelf industrial 1-K and 2-K auto repair paints. Usually a reinforced skin formation after app. 2 hours is sufficient for problem-free painting over. If the substrate is painted over prematurely then this can cause increased blistering and the sealant will not harden. Please note that rigid paint systems are usually involved, which tend to crack on the more elastic sealing adhesives. If a smoothing agent is used for smoothing the seam, then ensure that the surface is washed off prior to painting, as residue from the smoothing agent can lessen the bonding effect of the paint. We recommend GETO PUR Cleaner 2 for smoothing, as this does not lessen the bonding effect relative to the paint.

Forms of delivery

Color	Cartridge 310-ml (12 units)	Bag 300-ml (12 units)	Bag 600-ml (12 units)
White	850 100	850 120	850 110
Gray	850 101	850 121	850 111
Black	850 102	850 122	850 112
Dark brown	850 107	—	850 117

*23-kg bucket on request

GETO PUR Cleaner 1, Can 1000 ml, Art No. 850 190

GETO PUR Cleaner 1, Can 5000 ml, Art No. 850 191

GETO PUR Cleaner 2, Can 1000 ml, Art No. 850 192

Our information is based on thorough laboratory testing and practical experience. However due to differing working conditions and materials we cannot assume any liability whatsoever.

Application instructions

Apply with standard manual or compressed air guns, for instance with high-quality TITGEMEYER tools, "GETO Handtool", and "GETO Airtool" in a temperature range between +5 °C and +35 °C. Please read the information under "Paint compatibility". Compressed air application requires 2 to 6 bar. Lower material temperatures result in an increase in viscosity, higher material temperatures result in a decrease in viscosity. According to the ambient temperature and humidity, the sealing seam must be smoothed off within the skin formation time as needed. We recommend GETO PUR Cleaner 2 in this regard.

Bonding

Apply material to the substrate with trowel or from the GETO tools. Application thickness depends on the condition of the materials to be bonded. Insert the counter part (part to be joined) and apply pressure within 10 minutes. Due to the paste-like consistency it is recommended that you fix the bond in place until it hardens. Curing depends on the temperature and humidity.

Substrate pretreatment

Substrates must be clean, dry, and free of grease. Bonding and compatibility with plastics and paints must be tested based on the object. For improved performance on non-absorbent substrates such as glass, GFRP, aluminum, stainless steel, for raw steel and galvanized steel, we recommend prior cleaning with GETO PUR Cleaner 1 or GETO PUR Cleaner 2. In accordance with the GETO Pretreatment Table.

Storage, transport, safety directives

Store in dry location in original packaging at between +5 °C and +35 °C.

Transport Class does not apply

Product contains isocyanate

Comply with the instructions on the safety data sheet

Material characteristics

Base	Polyurethane, contains isocyanate
Colors	White, gray, black, dark brown
Bonding type	Humidity
Density	1.2 g/cm ³
Viscosity	High, paste-like good stability
Strand tension	Short
Volume change DIN 52451	App. 6%
Skin formation time*	App. 45 minutes
Curing speed 24h*	App. 3 mm
Tensile strength DIN 53504	2.1 N/mm ²
Shear strength DIN 53281	App. 1.5 N/mm ² (at 2 mm layer thickness)
Elongation at break DIN 53504	App. 450%
Shore A hardness DIN 3505	45
Temperature resistance	-40 °C to +90 °C / peak to +120 °C
Appl. temp.	+5 °C to + 35 °C
Storage temp.	+5 °C to + 25 °C dry
Shelf life	9 months unopened in the original container

* Measured at 23 °C ambient temperature and 50% relative humidity

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