

TECHNICAL DATA SHEET**POLYURETHANE SEALANT PU UK**

PU UK sealant is a one-component quick drying polyurethane sealing and adhesive product for automotive constructions and repairs, cured in contact with air moisture. Specially developed to meet the requirements of the automotive industry. Cured product acquires a high level of hardness, thanks to which it acquires the same features as the original seal.

FOR PROFESSIONAL USE!**ADVANTAGES:**

- ◆ Quick in application and quick drying.
- ◆ Shortly after application, it can be coated with various types of water-based and solvent-based varnishes (a test of varnishing is recommended).
- ◆ Easy to process and sand.
- ◆ Resistant to high dynamic stress.
- ◆ It is an adhesive and sealant at the same time.
- ◆ Wide range of use applications.
- ◆ Flexible.
- ◆ Has anti-vibration and silencing properties.

APPLICATION:

The product is suitable for sealing, filling joints (welds, sound panels in all internal body parts and painted metal surfaces, including restoration of original traces of painting and welding), joining elements as well as reducing vibration and silencing in automotive constructions and their repairs. Suitable substrates are metals, metal primers, paint coatings (2K systems), varnished plastics.

TECHNICAL DATA:

Form	Thixotropic paste
Colour	White, grey, black
Curing method	Under the influence of moisture
Curing depth [mm]	(1 day at 23°C and 50% humidity r.h.) ≥ 4
Hardness A according to the Shore method	(23°C and 50% humidity r.h; DIN 53505) 52

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Density [g/cc]	(23°C and 50% humidity r.h.) Black: 1,24 ± 0,02 Grey: 1,27 ± 0,02 White: 1,30 ± 0,02
Dust free [min]	(23°C and 50% humidity r.h.) 25-30
Shear modulus [N/mm ²]	(ISO 37 DIN 53504) ≥ 2,0
Elongation [%]	(ISO 37 DIN 53504) ≥ 250
Application temperature [°C]	+5 to +40
Range of thermal resistance [°C]	-40/+90 short-term 120

SURFACE PREPARATION:

The surface should be clean, dry, without traces of water, oil, grease or rust and should be of good quality. Remove any loose parts or remains with compressed air, sandpaper or a hard brush. Glass, metal and other smooth surfaces must be free of any other coatings and cleaned with a solvent.

INSTRUCTION FOR USE:

Puncture the protective membrane in front of the threaded part. Unscrew the plastic element and cut at an angle as desired. Place the container in a manual or pneumatic gun (equipped with a telescopic cylinder) and squeeze the mass carefully, so as not to let the air get under its surface. The product should be used shortly after opening the container.

The optimum application temperature for sealant and substrate is between 15°C and 25°C.

CHEMICAL RESISTANCE:

High resistance to running water, sea water, lime water, cleaning agents. Short-term resistance to petrol, grease and mineral oils. No resistance to organic acids, concentrated mineral acids, sodium hydroxide solutions and solvents.

TIPS FOR FINISHING AND RESTRICTIONS ON USE:

Stamping and finishing must occur before the sealant cures. PU UK mass can be covered with varnish. It is recommended to carry out varnishing test to check compatibility of the preparations. Use extreme caution when using alcohol or alkyd resin, as they can affect the curing time of the mass and shorten the drying time of the varnish / paint. It should be taken into account that the hardness and thickness of the paint coating may affect the elasticity of the sealant and lead to cracking of the paint coating. Do not cure in the presence of drying silicone sealants. When curing, avoid contact with alcohol-based cleaning agents and other solvents. Avoid formation of air bubbles when using the sealant. The product cures under the influence of moisture from the air, therefore sufficient air access should be ensured. The joined elements may require additional supports during the drying of the preparation.

TECHNICAL DATA SHEET**TOOLS CLEANING:**

Clean tools with acetone or alcohol immediately after use. Cured remains of the product can only be removed mechanically.

STORAGE CONDITIONS:

Store in a dark and dry place away from the sources of fire and heat. Shelf life of the product in original package between +10°C and 25°C is 18 months from the date of production.

HEALTH AND SAFETY RECOMMENDATIONS:

According to Material Safety Data Sheet of Dangerous Substance for particular product.

PACKAGING:

Art. Nr	Capacity:	Package, pcs.:	Package weight kg:
20411-1 [white]	310 ml	12	5,30
20431-1 [grey]	310 ml	12	5,30
20441-1 [black]	310 ml	12	5,30

This information is based on careful laboratory research and many years of experience. Strong market position does not absolve us from constant control of the quality of our products. However, we are not responsible for the final results after incorrect use of the product.