

Technical Datasheet

Adhesive PU 301

Adhesive PU 301 - primer (pre-spread adhesive) for pre-treatment of synthetic materials and leather that strongly absorb polyurethane adhesive, before bonding..

AREAS OF APPLICATION.

The glue is specially designed for pre-impregnation of materials that strongly absorb polyurethane glue - for example, leather, porous fabrics, before gluing.

PROPERTIES.

Provides:

- High strength and good heat resistance of the compound.
- Resistance to hydrolysis (water resistance) and the effects of acids and petroleum products.
- Good ductility of the compound, including at low temperatures.

TECHNICAL DATA.

Based	<i>Polyurethane</i>
Colour	<i>Colorless, transparent</i>
Conventional solids content, %	<i>10 – 12</i>
Viscosity at 20°C, mPa.s	<i>approx. 600</i>
Density at 20 °C, g/sm ³	<i>approx. 0.83</i>
Bond Strength, N/sm, 24 hour (delamination)*	<i>70 – 90</i>
The time to reach 70% of maximum strength, min*	<i>5 – 7</i>
Temperature resistance of the assemblies (adhesive strength not less than 20 N / cm), °C*	<i>80</i>
Maximum allowable operating temperature (short-term exposure), °C *	<i>110</i>

* When used as the main adhesive PU 312.

PACKAGING.

Metal can 800 ml	12 units in cardboard box
Conical metal container 3 L	4 units in cardboard box
Conical metal container 20 L	

STORAGE.

Storage time 12 months. Recommended storage temperature: 5 - 20 °C. Storage in original containers away from sources of fire. In the case of transportation at low temperatures, the adhesive viscosity increases, but after getting into a warm room, the adhesive properties are restored without intervention.

SAFETY.

Highly flammable and irritant. When using do not smoke, work away from sources of fire and sparks. The glue is made using low-toxic solvents, nevertheless work with glue in well-ventilated rooms, and in industrial conditions in rooms with forced-air and exhaust ventilation.

The information provided in this document is correct to the best of our knowledge, information and belief at the date of its publication.

INSTRUCTIONS FOR USE.

Substrates preparation:

Hard or plasticized PVC, PU films - clean with a cloth moistened with solvent RK-A-1 or RK-B-1. Clean cast PU products with a metal brush or sandpaper (scratch). Molded rubber products based on natural, nitrile, butadiene-styrene rubber, thermoplastic elastomers based on SBS (styrene-butadiene-styrene) or SIS (styrene-isoprene-styrene) block polymers must be roughened and halogenated (primed with a solution of trichloroisocyanuric acid or sulfochlorantin in a solvent RK-A-1 or RK-B-1).

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Application :

The glue is applied with a brush or spray to prepared surfaces. The recommended temperature for applying glue is 18 - 22 ° C, humidity 60 - 65%.

Drying: The adhesive film must be dried under natural conditions. The required minimum drying time depends on the temperature and is usually 10 to 20 minutes. The maximum drying time is 24 hours.

Bonding:

Bonding is done with PU 312 glue according to the procedure developed for this glue.

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