

# SPECIFICATIONS

Prepared on:  
May 12, 2005



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## Product name: APP-PU 50

Unary, permanently elastic, quick-drying, bonding-sealing compound for squeezing. The product is coverable with all types of automotive lacquers.

Container:	310 ml cartouche.
Product and additives:	APP-PU 50.
Basic components:	APP-PU 50 - high-modular polyurethane hardened by moisture contained in air.
Colour:	White, grey, black.
Consistence:	Tixotropic paste.
Shrinkage:	Zero (ISO 7390).
Shore hardness:	>50 ISO 868 (3 sec.).
Modulus:	0.6 MPa at 100% elongation according to ISO 8339.
Ultimate elongation:	≥ 80% according to ISO 8339.
Resistance:	Chemical resistance: to acids: average to UV: good to bases: average to water: very good to hydrocarbons: good to brine: very good Thermal resistance: from -40°C to +90°C.

### Output:

Ø (mm)	2	3	4	5	6	7	8	9	10
L (m)	98	43	24	15	11	8	6	4	3

### Caution!

In practice the output depends on certain factors including: object shape, roughness of the base, method of application and working conditions.

### Usage:

- to seal large joints and gaps,
- to seal welded joints,
- to bond metal with glass,
- to bond metal with plastics,
- as a vibration attenuating layer between metals and plastics,
- to seal tanks containing oil-derivative products,
- as a bonding-sealing material in many industrial applications.

The above information complies with current knowledge on our products and their possible applications. This guarantees no specific properties or usability in particular conditions. Users should observe guidelines and warnings provided on product labels and specified in material safety data sheets. We hold no responsibility if conditions beyond our control affect the final result of work.

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### Base

Proper base types:

aluminium,

The APP-PU 50 sealant has excellent adhesive qualities, without any special primer, with the following materials: glass, stainless steel, anodised

lacquered and enamelled surfaces, plastics reinforced with glass fibre, glazed ceramic tiles, and terracotta.

Caution!

Steel car body sheets need to be coated with primers or filling primers prior to spreading the compound.

Base preparation:



Before applying APP-PU 50 bonding-sealing compound, remove any dust from the sealed surface, dry it, and degrease with the following materials:

- alcohol-based remover;
- acetone (PVC, glass, aluminium);
- the W900 remover.

### Application

Remove the bottom cover of the aluminium cartouche, and then puncture its threaded end.

Place the cartouche in a manually operated or pneumatic squeezer for sealing compounds.

Screw the plastic nozzle on the threaded end of the cartouche and cut it diagonally, so as to match the width of the joint .

If using sachets, insert one into the squeezer pressing chamber, cut the foil near the metal closing band, and then tighten the front squeezer nut with a nozzle. Use special nozzles for sachets only.

After spreading the compound, it is possible to form (smooth) it within approximately 20 minutes with a wet spatula. Application temperature: from +5°C to +35°C. The compound is suitable for use within 24 hours after opening the packaging.

Drying:



Hardening of APP-PU 50 sealant starts immediately after applying, and depends on the temperature and humidity of the air.

At the temperature of +23°C and relative humidity of 50%:

- skinning: after approximately 60 minutes.
- through crosslinking rate: 4 mm / 24 hours.

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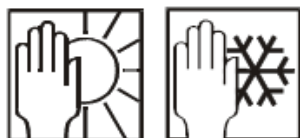
Coverage:  
polyurethane

After 1-2 hours (depending on the thickness of the layer ), the APP-PU 50 sealant is ready for covering with water-thinned base paints and top-coat lacquers used for car body repairs and renovations.

Equipment cleaning:

Before hardening: xylene, toluene, or nitrocellulose solvent.  
After hardening: mechanical cleaning.

Storage:



Store in original, closed containers in a dry and well-ventilated room.  
Storage temperature: from +5°C to +25°C.  
Protect against freezing.

Industrial safety regulations:



For professional use only.  
See: information on product labels and/or in Hazardous Material Safety Data Sheet.  
Users should observe all industrial safety regulations applicable in their countries.

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