



## MASTIC PU - POLYURETHANE MASTIC

MASTIC PU is a single component polyurethane mastic that cures rapidly on contact with atmospheric moisture, forming a hard sealant, elastic and of a medium-high elasticity modulus. For sealing of vertical and horizontal joints.

It has CE marking on the basis of a statement made DoP Declaration of Performance (DoP) conforms to the regulations UE305/2011.



## USES

- Can be used for heavy and light precast panel expansion joints, wood, aluminum and PVC joinery seams, and expansion joints in traditional construction.
- Is highly recommended for bonding baked clay and concrete roof tiles.
- This sealant has a good adhesion without primer on other current materials: most lacquered metals, polyester, glass, stone, ceramic tiles.

**NOTE:** call our technical department about the application to other supports or situations

application temperature	5~35 °C
frying tack	30~60 minutes
curing total thickness of 3 to 4 mm	24 hours
elongation at break	>600 %



## APPLICATION METHOD

## SUBSTRATES PREPARATION

- The substrates must be clean, even, dry, free of dust, oil, grease, and any contaminants that could harm bonding.
- They may be cleaned with, methylethylketone (MEK), acetone, or grease remover.
- Apply a primer if necessary.
- Check the compatibility of the solvent used with the substrates.
- When using solvents, extinguish all sources of ignition and carefully follow the safety and handling instructions given by the manufacturer or supplier.
- If necessary, rub down metal surfaces beforehand.
- After rubbing down, the surface should be cleaned.
- Allow the substrate to dry after degreasing.



- We recommend cleaning concrete with a metal brush.

### CAULKING

- MASTIC PU can be applied by a manual or pneumatic gun.
- After application, use a putty knife to smooth the joint with soapy water.
- This product should be used within 24 hours of opening the cartridge or sausage; otherwise, the sealant could harden inside. Do not apply at a temperature under 5 °C.
- In cold weather, store the cartridges at about 20 °C before use.
- Avoid any contact with non-cured MS, hybrid PU or silicone sealants as well as with alcohols or ammonia during curing.

### CLEANING

- Tools should be cleaned with, MEK or acetone before the sealant has completely cured. After curing, abrasion is necessary.

### SHELF LIFE

12 months in the original, hermetically sealed packaging between 5 and 35 °C

### PACKAGING

Boxes of 20 ut. ( 600 cm<sup>3</sup> each), on the gray color.

### HANDLING AND SAFETY

Not classified as hazardous. Read the material and safety data sheet before use. ( MSDS)

### YIELD

Diameter of the application(mm)	2	3	4	5	6	7	8	9	10
Linear fleet (m)	190	85	47	30	21	15	11	9	7



## TECHNICAL DATA

Appearance	pasty
Color	gray
Density ISO 1675	1,18 ± 0.05 g/cm <sup>3</sup>
Sagging ISO 7390	none
Application temperature	5 ~35 °C
Skin formation time	±70 min
Cure time	3 mm/24 h
Loss of volume ISO 10563	<10%
Tear resistance ISO 8340 modified	pass
Adhesion/cohesion properties of deformation under tension maintained immersion in water at 28 days ISO 10590 modified	no break
Adhesion/cohesion properties of deformation under-maintained tension, immersion in saltwater at 28 days ISO 10590 modified	no break
Adhesion/cohesion tensile deformation properties maintained at -30°C ISO 8340 modified	pass
Durability ISO 8340/9047/10590	pass
Modulus at 100 % ISO 8339	±0.4 MPa
Elongation at break ISO 8339	>500 %
Tear strength DIN 53515	±10 N/mm
Temperature resistance	- 40 ~ + 80 °C
Resistance to dilute acids and bases	average
UV resistance	medium
Water and salt spray resistance	excellent
Compatibility with paints	water-based: yes solvent-based: carry out tests beforehand
Specific data	modulus at 100 % (ISO 37) : ca. 0,3 MPa modulus at break (ISO 37): ca. 1,4 MPa elongation at break (ISO 37) : > 600 %

*Results were performed in the laboratory at 23°C and 50% RH, under controllable conditions. These values may vary depending on the application, climatology, or substrate conditions.*

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