



MONO-COMPONENT POLYURETHANE MASTIC

It's a single-component polyurethane mastic that cures rapidly on contact with atmosphere moisture, forming a hard sealant, elastic and of a medium-high elasticity modulus. For sealing of vertical and horizontal joints.

USES

- **MASTIC PU** can be used for heavy and light precast panel expansion joints, wood, aluminium and PVC joinery seams, and expansion joints in traditional construction.
- **MASTIC PU** 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.

Hardness	Shore A \pm 40
Application temperature	5 ~ 35 °C
Drying Tack	30 ~ 60 minutes
Hardness	24 hours
Curing total thickness of 3 to 4 mm	24 hours
Elongation at break	>500 %



DESCRIPTION

MASTIC PU is a single component polyurethane based elastomeric sealant which cures under the effect of atmospheric humidity to form a flexible and resistant joint with very good adhesion on most materials.

INSTRUCTIONS FOR USE

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 recleaned. Allow the substrate to dry after degreasing.
- We recommend to clean 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.

STORAGE AND SHELF LIFE

12 months in the original, hermetically sealed packagings between 5 and 25 °C

PACKAGING

Boxes of 20 ud.of 600 ml sausages

SAFETY

Not classified as hazardous. Read the material safety data sheet before use.



TECHNICAL DATA

Appearance	Pasty
Colour	Various
Density at 20 °C	Black : 1.16 ± 0.05 ; others : 1.18 ± 0.05
Sagging (ISO 7390)	None
Application temperature	5 ~ 35 °C
Skin formation time at 23 °C and 50 % HR	±70 min
Cure time at 23 °C and 50 % HR	3 mm/24 h
Shore A hardness (internal method IT-20 after ISO 868 - 3 seconds)	±40
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	Good
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 %

CONSUMPTION :

Tube (mm)	2	3	4	5	6	7	8	9	10
Length of cord (m)	190	85	47	30	21	15	11	9	7

