PUMALASTIC PU

Polyurethane filler for bonding and sealing joints

ÉMISSIONS DANS L'AIR INTÉRIEUR
A+
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DESCRIPTION

One-component polyurethane-based filler for sealing or bonding.

TECHNICAL CARACTERISTICS

One-component polyurethane-based filler. Classified as a first-class elastomer.

ADVANTAGES AND USES

- Easy to apply.
- Waterproof.
- Great adhesion with no need to use any other type of primer on most cement- based materials, stone...
- Good resistance to weathering and ageing.
- Sealing expansion and static joints.
- Sealing roof tiles.
- Sealing joints between panels made of concrete, aluminum, iron, wood...
- Good adhesion on anodized aluminum and mortar.

SUITABLE SUBSTRATES

- Substrates should be clean, dry and free of dust, grease and molding products. On concrete, wait for it to be dry and stable (minimum 4 weeks).
- Users must check the compatibility of the filler with the substrate with respect to adhesion and chemical compatibility.

APPLICATION PROCEDURE

- A backer rod made of material that will not adhere to the filler should be installed beforehand in the joint in order to control the depth to be filled and to serve as support during the filling. The backer rod should not have any susceptible notches that may cause bubbling of the joint.
- Protect the edges of the joint with an adhesive tape for a better finish.
- If necessary apply a thin coat of polyurethane primer on the substrates.
- When it has dried, apply by compression, a backer rod that is flexible and does not adhere to the cement.
- Apply the cartridges with a universal manual applicator gun, piercing the opening of the cartridge and screwing the plastic nozzle. Apply in such a way as to avoid air entrapment, keeping the depth and angle of the applicator gun constant.
- For narrow joints, apply the filler in a single step, and for very wide joints apply in three steps, the first two on the edges of the joint and the third on the bottom of the joint.
- Smooth the PUMALASTIC-PU with a spatula that has been wetted in soap and water, pressing the filler appropriately against the edges and bottom of the joint. Remove the adhesive tapes and scrape the polymerized filler. Do not use solvents.
- The filler can be painted when it has completely polymerized. Ideally use emulsion paints (acrylic, vinyl) and carry out a test beforehand.

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RECOMMENDATIONS

- Keep away from heat.
- It contains reactive isocyanates and small amounts of solvent. It is advisable to work with good ventilation and not to smoke.
- Due to the sensitivity of polyurethanes to ultraviolet rays, light colors will undergo color changes, which only affect the aesthetics and never the mechanical properties or watertightness of the product.
- Avoid contact with skin. If it comes into contact with eyes, wash immediately with water.
- Keep out of reach of children.
- Do not apply at temperatures below 5ºC or above 30ºC.

CONSUMPTION ACCORDING TO DIMENSIONS (KG/M²)

Meters of joint sealing per 300 ml cartridge.

	Joint depths			
Joint widths	8mm	10mm	12mm	15mm
8mm	4,8	3,8	3,2	2,5
10mm	3,8	3,1	2,5	2,0
15mm	2,5	2,0	1,7	1,3
20mm	1,9	1,5	1,2	1,0
25mm	1,5	1,2	1,0	0,8

Meters of joint sealing per 600 ml sausage cartridge.

	Joint depths			
Joint widths	8mm	10mm	12mm	15mm
8mm	9,3	7,5	6,2	5,0
10mm	7,5	6,0	5,0	4,0
15mm	5,0	4,0	3,3	2,6
20mm	3,7	3,0	2,5	2,0
25mm	3,0	2,4	2,0	1,6

PACKAGING AND STORAGE

Boxes of 12 ready to use 300 ml cartridges Colors availables: white, black, grey and brown.
Shelf life: 1 year in sealed original packaging, sheltered from weather conditions and humidity.

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TECHNICAL DATA

Composition	Polyurethane
Appearance	Thixotropic paste
Solid content	Aprox. 93%
Skin information time (23ºC, 50% HR)	Aprox 70 min
Casting resistance at 23ºC (ISO 7390)	≤ 3.0mm
Casting resistance at 50ºC (ISO 7390)	≤ 3.0mm
Temperature of application	+ 5ºC ≤ T ≤ + 35ºC
Maximum joint width	25 mm
On a cured grout	
Speed of polymerization	Approx. 3 mm/24h
Shore A hardness (DIN 53 505)	35-40
Elasticity modulus at 100ºC (ISO 8339)	0.4-0.5 Mpa
Elongation at break point (ISO 8339)	> 500%
Elastic resistance (ISO 7389)	> 85 %
Movement capacity	25 %
Service temperature	-40ºC≤T≤+80ºC
Colors	White, grey, and terracotta

(Statistical data obtained under standard conditions)
Manufactured under Production Standard ISO 9001Chemical resistance to water, cleaning products, accidental spillages of oils, hydrocarbons and acids. gd

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