PUMALASTIC MS

Hybrid polymer-based high-performance one-component elastic filler

DESCRIPTION

High-performance, one-component, neutral and elastic filler for sealing and bonding.

TECHNICAL CARACTERISTICS

MS Polymer-based filler.

ADVANTAGES AND USES

- Interior and exterior use.
- Sealing joints and/or cracks.
- Sealing prefabricated concrete elements.
- Sealing joints in walls, ceilings and expansion joints between construction elements.
- Sealing joints in floors (Please check with our technical department for heavy load traffic).
- Securing multiple elements in the building: skirting boards (baseboards) and profiles.
- Excellent adhesion, between construction materials made of concrete, wood, brick, stone, aluminium, galvanized steel, copper, glass, PVC, except PP, PE and PTFE plastics; even on wet surfaces.
- Can be applied on joints with movement of up to ± 20% of their width.
- Medium elasticity modulus.
- Curing even in the presence of water.
- Excellent resistance to UV exposure (does not crack or yellow).
- Good extrudability, easy to work with even in cold environments.
- Permanently elastic after curing, including at low temperatures.
- Does not form bubbles during the curing process (does not release CO2).
- Can be painted with water-based paints.
- Chemical resistance: Resistant to fresh and salt water, aliphatic solvents, mineral oils, grease, diluted inorganic acids and alkalis.
- Poor resistance to aromatic solvents, concentrated acids and chlorinated hydrocarbons.
- Does not need a hazard label.

SUITABLE SUBSTRATES

- The substrate should be sound, clean and free of dust, oil, grease, paint, residues of mold release agents, rust, old fillers and any protective covering which could interfere with the adhesion.
- It is not advisable to put this product in contact with asphalt or bitumen.
- Users must check the compatibility of the sealant with the substrate with respect to adhesion, chemical compatibility and producing stains.

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 ensure that the joint will work with just two faces (both sides of the joint).
- The backer rod should not have any susceptible notches that may cause bubbling of the joint.
- In the case of very shallow joints apply adhesive tape and avoid adhesion on three faces.
- Protect the edges of the joint with an adhesive tape for a better finish.
- Apply the cartridges with a universal manual applicator gun 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

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on the edges of the joint and the third on the bottom of the joint.
- Smooth the filler 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.
- It is recommended that the joint is not filled at its most contracted or most expanded point but when it is at its mid-point.
- The filler can be painted when it has completely polymerized. Ideally use water-based paints and also consider the elasticity of the paint since is usually lower than the filler one. It is recommended that preliminary compatibility tests are carried out.

RECOMMENDATIONS

- It should not be applied on joints with movements greater than 20%.
- Do not apply at temperatures below +5ºC or above +30ºC.
- Consult the Technical Department for any application not specified in this Technical Datasheet.
- If it comes into contact with eyes, wash immediately with water and consult a doctor.
- For further information regarding the safe handling, transport, storage and use of the product, check latest version of the Product Safety Datasheet.

PACKAGING AND STORAGE

Cartridges of 290 ml.

Colors: White / Beige / Grey / Terracotta / Black.

Shelf life: 12 months in its sealed original packaging, sheltered from weather conditions and humidity at a maximum temperature of 25ºC.

CONSUMPTIONS AND APPLICATIONS

Joint widths	10 mm	15 mm	20 mm	25 mm
Joint depths	8mm	8mm	10 mm	12 mm
Length for 290 ml	± 3,5 m	± 2,0 m	± 1,5 m	± 1.0 m

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TECHNICAL DATA

(Statistical data obtained under standard conditions)

Appearance	Paste
Colors	White, Beige, and Terracotta
Chemical base	MS Polymer
Curing system	Air humidity
Density	1.67 g/ml
Skin formation (20ºC, 65% RV)	Approx. 25 min
Cure rate (20ºC, 65% RV)	3 mm / 24 hr
Hardness	40 ± 5 Shore A
Elasticity modulus 100% (DIN 53504)	0.62 N/mm²
Elastic recovery	> 75%
Maximum admissible movement	± 20% of the joint width
Resistance to temperature once cured	- 40ºC / + 90ºC
Maximum tension (DIN 53504)	1.85 N/mm²
Elongation at break point (DIN 53504)	550%

The use depends according to the type of application and the work to be done. A test should be carried out to calculate it for each application.NOTE: The technical data may vary depending on the temperature, the RH, substrate and application.

CE MARK

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