

PUMAST 600

Polyurethane Based, One Component, Joint Sealant



Description

PUMAST 600 is a highly elastic, low modulus polyurethane sealant, with good UV resistance and excellent adhesion to typical construction materials. PUMAST 600 is one component and cures with moisture to form a flexible sealant which can be overpainted after curing is finished. The sealant is non sagging, highly thixotropic, easy smoothing and has good workability. It is a perfect product for all types of static and dynamic expansion joints of structural members.

Fields of Application

- PUMAST 600 is designed for civil and industrial movement, expansion, control and dilatation joints in architectural and heavy construction.
- To be used as a sealant between concrete, mortar, brickwork, natural and synthetic stone, metal, steel, aluminum, wood, ceramic tiles, rigid plastics etc.
- It can be used in drinkable water tanks safely.

Features and Benefits

- Very elastic.
- Protects elasticity between -40 °C to +80 °C.
- One component. Easy to apply.
- Cures with the humidity in the air.
- It can be used in drinkable water tanks safely.
- No need primer before PUMAST 600 for many surfaces.
- Provides excellent adhesion on concrete, metal, wood and other surfaces.
- Resistant to chemicals.



Technical Data

Content	Polyurethane
Color	White / Grey / Black
Density	1,15 g/cm ³
Elasticity	>600%
Shore A Hardness	25,40
Max. joint gap	4 cm
Drying Rate	1 mm / 24 hours
Service Temperature	-40°C to +80°C
Application Temperature	+5°C to +30°C
Drying Time	
Touch drying	60 minutes
Full curing	24 hours
HS Code	3214.10.10.00.12

Application Procedure

Preparation of Substrate

All surfaces must be perfectly clean, dry and free from dust and grease. Where necessary apply a coating of primer on the joint walls. Use PU 101 A for porous (absorbing) surfaces like concrete, mortar etc.

Application Method

The sealant should not adhere to the joint bottom; the use of a joint backing rod is recommended. The width and depth of the joint must not be less than 5 mm. In manual applications, the material is placed in an application gun and injected into the joint without causing the formation of any air bubbles.





Consumption

1,15 kg/lt. For example; needed 115 g/m for 10 mm x 10 mm joint.

Packaging

600 ml sausages - 20 pcs/box

280 ml cartridge – 25 pcs/box

Shelf Life

12 months in original, unopened package.

Storage

Store in dry area between +5°C and +35°C. Protect from heat, freezing and direct sunlight.

Cleanup Information

Clean tools and equipment with cellulosic thinner immediately after use. Dried material can only be removed mechanically.



Cautions / Limitations

- The width and depth of the joint must not be less than 5 mm.
- It may be harmful with skin contact.
- Do not apply in freezing conditions or during precipitation.
- Protect applied materials from rain, freezing, foot traffic and continuous high humidity until completely dry.
- Do not use when air and surface temperatures are below +5°C and above +30°C.
- Avoid heavy traffic for 24 hours.

Health and Safety

Warning! Cause eye and skin irritation. If eye or skin contact, get immediate medical attention.

Wash hands thoroughly after handling. Wear protective clothing, gloves, eye and face protection. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse. Dispose of unused, contents, container and other contaminated wastes in accordance with local, state, federal and provincial regulations.

Keep container closed when not in use. Keep out of the reach of children.



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