

PURSEAL PS 600

Improved Polyurethane Based Thixotropic Filling Mask for Insulation of Vertical and Horizontal Joints

Description

FOX PURSEAL PS 600 is a one component, water resistant, low modulus adhesive and joint filler with continuous elasticity. Produced with the latest polyurethane technology, this product is suitable for use on indoor and outdoor surfaces and damp surfaces. Cures with the humidity in the air.

Fields of Application

- Insulation of vertical and horizontal joints,
- Roof gutters,
- Prefabricated panels,
- Water tanks and swimming pools,
- Metal joineries, aluminium windows and panels,
- Used as joint filler and adhesive in glass, wood, gypsum panel, granite and marble applications.

Advantages

- Adheres to almost any surface with and without primer.
- High chemical resistance, suitable for insulation of joints in chemically treated water and swimming pools.
- Resistant to aging and weather conditions,
- Continuous elastic, paintable,
- Water impermeable, resistant to bacteria and mould,
- Maintain elasticity even at - 40 ° C.
- High resistance to temperature allows application even in environments reaching >60 °C.

Technical Features

Structure of the Material		Polyurethane
Density		1,35 gr/cm ³
Colour		White, Grey, Black
Drying Time	25°C	2 hours
Cure Ratio		3-4 mm/day
Service Temperature		- 40°C / +80°C
Shore A Hardness		25
Elasticity		> %900
Bonding Strength Concrete		> 2 N/mm ²
Thermal Resistance	80°C	100 days
Toxicity		None

The values above are given for +23°C and 50% relative humidity. While higher temperatures shorten the period, lower temperatures extend.

Application Procedure

Preparation of the Substrate

The area of application should be clean, clean and free from all moving parts. Residues such as dirt, oil and paint should be cleaned from the surface by suitable methods. Highly oiled surfaces should be completely renewed and repaired with **FOX EPOMORTAR FC 510** Epoxy based repair mortar. If the application surface is concrete, the surface must be min. Class C25, should be below 85% relative humidity and ambient temperature must be between + 5 ° C and + 35 ° C. When the temperature of highly porous substrates, such as cracks or weakly compacted concrete, rises the pore bond surfaces must be well filled to prevent air bubbles that can form in the mastic that has not yet been cured. Direct application on non-rigid substrates is not recommended. In such cases, the substrate must be primed prior to application with a primer material selected to suit the surface type and moisture condition, in order to provide a strong and durable sub layer that reinforces the concrete.

Application

Apply materials such as open-celled polyurethane or closed-cell polyethylene support cord. Although both types of support wicks are suitable, care should be taken not to puncture the outer cover of the wicket, as bubbles may form if the temperature rises while using closed-cell polyethylene. The wick, which serves as a fixed support against the situation where the mast cannot be fixed with the tool, is important in terms of the width to depth ratio in practice.

Slide the filler mascara into the applicator gun, cut the extreme end of the mastic pack and place the gun with the cut mouthpiece to take the correct drop size. Tighten the mastic into the joint, taking care not to leave any air. In large joints, more spraying is required than one pass to ensure the perfect contact of the edges and dips of the mast. Correct immediately with a spatula after application. The width to depth ratio should be 2: 1, provided that the minimum depth is 10 mm. The product should not be exposed to chemicals before the final coating is completed.

Package

600 ml Sausage (Aluminium Folio) and 300 ml Cartridge (Metal)

Standard Colours

Grey, White, Black

Consumption

For each 600 cc sausage linear metre measurements;

Width/Depth	5 mm	10 mm	20 mm	50 mm
5 mm	24 m	12 m		
10 mm			3 m	2,4 m
15 mm				1,6 m

Consumptions are theoretical. The consumption varies depending on the smoothness of the joint and the shape of the polyethylene wick.

Shelf Life

Shelf life is 12 months from the date of production when stored properly at + 5 ° C to + 30 ° C, room temperature away from direct sunlight.

Storage

The product should be stored in its original package, in a cool and dry place protected from frost. For short term storage, maximum 3 palletes should be placed on top of each other and the shipment should be made on a 'first come, first go' basis. Palletes should not be placed on top of each other during long term storage.

Health and Safety Precautions

It is dangerous to approach the application sites with fire. Fresh air should be circulated in the storage and the application sites. During the application, a protective apparel, protective gloves, goggles and masks which comply with the Occupational Health and Safety Rules should be used. Due to the irritation effect of the uncured materials, the mixture should not come into contact with skin and eyes; in case of a contact, the affected area should be washed with plenty of water and soap; in case of swallowing, a physician should be consulted immediately. No food or beverages should be brought to the application area. The product should be stored and kept out of reach of children.

For detailed information please consult the Material Safety Data Sheet.

Disclaimer

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