

## INNO-SEALANT FOX PURSEAL PS600

### Polyurethane Based, Thixotropic Filler Mastic Developed for Insulation of Vertical and Horizontal Joints

#### Definition

**FOX PURSEAL PS600** is a single-component, permanently elastic, water-resistant, low modulus adhesive and joint filler. This product, produced with the most up-to-date polyurethane technology, is suitable for use indoors and outdoors and on damp surfaces. It cures with the humidity of the air.

#### Meets DIN 18540 - F Conditions

#### Fields of Application

- Insulation of horizontal and vertical building joints,
- In roof streams,
- In prefabricated panels,
- In water tanks and swimming pools,
- In metal joinery joints, aluminum windows and panels,
- It is used as joint filler and adhesive in glass, wood, plasterboard, granite and marble applications.

#### Advantages

- Adheres to almost all kinds of surfaces, with or without primer.
- High chemical resistance, suitable for sealing joints in chemically treated water and swimming pools.
- Resistant to aging and outdoor weather conditions.
- It is permanently elastic and can be painted.
- It is water impermeable and resistant to bacteria and mould.
- It maintains its elasticity even at -40°C.
- It has high temperature resistance, allowing application even in environments reaching >60°C.

#### Technical specifications

Structure of the Material		Polyurethane
Density		1,35±0,05 gr/cm <sup>3</sup>
Color		White, Grey, Black
Drying Time	+25°C	2 hour
Curing Rate		3-4 mm/day
Usage Temperature		15°C /+30°C
Service Temperature		- 40°C /+80°C
Shore A		~25
Stretch		≥%900
Adhesion to Concrete		≥2 N/mm <sup>2</sup>
Thermal Resistance	+80°C	100 day
The toxins		none

The above values are given at +23°C and 50% relative humidity. High temperatures shorten the time, low temperatures extend the time.

#### Application Procedure

##### Surface Preparation

The application area must be smooth, clean and free of all moving parts. Residues such as dirt, oil and paint should be cleaned from the surface with appropriate methods. Surfaces with high oil absorption should be completely renewed and repaired with **FOX EPOMORTAR FC510** Epoxy based repair mortar. If the application surface is concrete, class should be minimum C25, relative ambient humidity should be below 85%, and ambient temperature should be between +15°C and +30°C. When the temperature of very porous substrates, such as cracked or poorly compacted concrete, rises, the pore bonding surfaces must be filled properly to prevent air bubbles that may form in the mastic that has not yet been cured. Direct application on unstable substrates is not recommended. In such cases, the bottom layer should be primed before application with a primer material selected according to the surface type and moisture condition, in order to ensure the formation of a durable and permanent bottom layer that strengthens the concrete.



## Application

Apply materials such as open-cell polyurethane or closed-cell polyethylene support wicks. Although both types of support wicks are suitable, when using closed-cell polyethylene, care should be taken not to puncture the outer coating of the wick as bubbles may form if the temperature rises. The wick, which functions as a fixed support in case the mastic cannot be corrected with a tool, is important in terms of the correct ratio of width to depth in practice. Slide the sealant into the application gun, cut off the very end of the sealant packaging, and insert the gun with the nozzle cut to get the correct drop size. Squeeze the mastic into the joint, making sure there is no air left. In wide joints, more than one pass of gun application is required to ensure full contact of the mastic with the edges and bottom. After application, smooth it immediately with a spatula. The ratio of width to depth should be 2:1, provided that the minimum depth is 10 mm. The product should not be exposed to chemicals before its final cure is completed.

## Matters to be taken into consideration

- The materials to be used must be brought to the application site 1-2 days in advance and must adapt to the environmental conditions.
- Rain, dust, wind, animals and insects should be prevented from entering the building while the coating is fresh.
- Consumptions are given for ideal conditions where the ambient and surface temperature is assumed to be 20°C. Actual consumptions may vary depending on the surface structure. It should not be forgotten that damaged surfaces will increase consumption.

## Packaging

600 ml sausage (Aluminum Foil) and 300 ml Cartridge (Metal)

## Standard Colors

Grey, White, Black

## Consumption

Linear meter measurement per 600ml sausage

Width Depth	5 mm	10 mm	15 mm	25 mm
5 mm	24 m	12 m		
10 mm			4 m	2,4 m
15 mm				1,6 m

*Consumables are theoretical. Consumption varies depending on the smoothness of the joint and the placement of the polyethylene wick.*

## Shelf life

When stored correctly at room temperature, between +5°C and +30°C, away from direct sunlight, the shelf life is 12 months from the date of production.

## Storage

It should be stored in its unopened original packaging, in a cool and dry environment, protected from frost. For short-term storage, a maximum of 3 pallets should be stacked on top of each other and shipment should be made on a first-in, first-out system. For long-term storage, pallets should not be stacked on top of each other.

## Security precautions

It is dangerous to approach storage and application areas with fire. Storage and application areas should be ventilated. During application, work clothes, protective gloves, glasses and masks in accordance with occupational and worker health rules should be used. It should not be contacted with skin or eyes during storage and application. In case of contact, it should be washed immediately with plenty of water and soap. If swallowed, a doctor should be consulted immediately. Food and beverage materials should not be brought into application areas. It should be stored in places inaccessible to children.

For detailed information, please refer to the Material Safety Data Sheet.

## Disclaimer

The data contained in this technical document is based on our scientific and practical knowledge. SARTECH Yapı Malz. San. ve Tic. Ltd. Şti. is only responsible for the quality of the product. Our company cannot be held responsible for the consequences that may occur due to misuse and/or other than the written suggestions about where and how the product will be used. For detailed information, the safety data sheet and technical data sheet should be consulted or our company officials should be contacted.

