

## INNO- SEALANT FOX PURSEAL AQUA PL 900

**Single Component, Specially Formulated, Polyurethane Based Insulating Sealant Material and Adhesive Containing the Highest Properties of Polyurethane Technologies**

### Description

**FOX PURSEAL AQUA PL 900** is fast-curing joint-filling mastic and a general-purpose adhesive. **PURSEAL AQUA PL 900** is specially formulated to improve the performance of the material, which contains the highest properties of PU and silicate PU technologies. It enters the reaction with moisture and cures very quickly and adheres perfectly even to sub-layers which are problematic for PU mastics such as glass, aluminium, steel and polycarbonate.

### Fields of Application

- Metal frames,
- Aluminium windows and panels,
- Glass and mirror applications,
- Granit, marble,
- Used in surface applications.

### Advantages

- Adheres perfectly to almost any surface, with or without primer.
- Provides excellent extrusion, ease of application and continuous protection in different climatic conditions.
- Excellent chemical resistance. It is suitable for the insulation of joints in water and swimming pools treated with chemicals.
- Resistant to microorganisms and moulds.
- Recommended for underwater immersion application.
- Has excellent heat resistance. It can be applied in a wide temperature range below  $>60^{\circ}\text{C}$ .
- Resistant to cold. Maintain elasticity up to  $-40^{\circ}\text{C}$ .
- Can be applied to all concrete surfaces. Creates a semi-matt surface on the applied floor.

### Technical Features

Structure of the Material		Polyurethane
Density		1,35 gr/cm <sup>3</sup>
Colour		White, Grey, Black
Drying Time	+25°C	1 hour
Cure Ratio		3-4 mm/day
Service Temperature		-40°C / +80°C
Shore A Hardness		45
Elasticity		> % 700
Bonding Strength Concrete		> 2 N/mm <sup>2</sup>
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  $+5^{\circ}\text{C}$  and  $+35^{\circ}\text{C}$ . 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)

## Standard Colours

Grey, White, Black

## Consumptions

For each 600 cc sausage linear metre measurements;

Width/Depth	5 mm	10 mm	15 mm	25 mm
5 mm	24	12		
10 mm			4	2.4
15 mm				1.6

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 palettes should be placed on top of each other and the shipment should be made on a 'first come, first go' basis. Palettes 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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