

# INNO-CARE FOX PL-CURE FR 811

## Synthetic Resin Based Concrete Curing Material

### Description

**FOX PL-CURE FR 811** is a synthetic resin based curing material applied on newly poured concrete and screed, providing optimum strength development by keeping the water in the concrete with the film layer it forms, and reducing shrinkage by preventing rapid drying.

C 309 Type 1 Class B, AASHTO M-148ATM C 944 Wear resistance

### Fields of Application

- All kinds of field concrete,
- Surface hardener applied,
- Concrete pavement and road applications, Kanal ve kanalet betonlarında,
- Substrate coating (plaster, screed, paint, ceramic and epoxy coating) is planned on the surfaces,
- All kinds of reinforced concrete building elements,
- Used in screed applications.

### Advantages

- Ready to use,
- It can be applied to all kinds of concrete surfaces,
- Reduces shrinkage cracks on the surface caused by rapid water loss,
- Provides a harder and dust-free surface,
- When processed into fresh concrete, it does not leave a layer; does not peel and dust off the surface,
- Excellent compatibility with cement, epoxy and polyurethane based coatings,
- It provides more effective curing compared to paraffin based cures, It is simple to apply, reduces labor costs,
- Irrigation and so on. is a more practical method,
- Used when irrigation is not possible.

### Technical Data

Structure of Material	Styren resin based liquid
Density	0,82 kg/lit
Color	Transparent
Dried Film Appearance	Transparent, smooth film
Flash Point	+88°C
Water retention ASTM C 156	passed
Drying Time ASTM C 309	45 minute

Yukarıdaki değerler +23°C'de ve %50 bağıl nem için verilmiştir. Yüksek sıcaklıklar süreyi kısaltır, düşük sıcaklıklar süreyi uzatır.

### Application Procedure

**FOX PL-CURE FR 811** should be applied homogenously on freshly poured concrete and screed by spraying or by roller. **FOX PL-CURE FR 811** is applied to the gauged surfaces of field, road and floor concretes and to the surfaces of molded concretes which have lost their gloss after removing the molds.

### Consumption

Average consumption of **FOX PL-CURE FR 811** is 0.16 l / m<sup>2</sup>. In order to ensure effective curing in the open air and in windy environments, the second layer can be applied within 6 hours following the first coat application.. Consumption decreases on the inner surfaces remaining in the shade.

### Points to be considered

It is recommended to apply **FOX PL-CURE FR 811** by spraying on concrete surface in order to obtain a uniform structure. Although **FOX PL-CURE FR 811**'s effect time varies depending on film thickness, weather conditions, UV exposure and the condition of the concrete surface, it is effective enough for the water to remain in the structure. **FOX PL-CURE FR 811** contains solvent. It is dangerous to approach the storage and application areas with fire. Storage and application areas should be ventilated. Material should be spread evenly and no ponding should be allowed. The application of **FOX PL-CURE FR 811** in a thin layer with a roll prevents foaming, if a thick layer is accidentally applied, the foam is formed, after a while the foam disappears and the surface must be smoothened with a roller. In non-homogeneous applications, color differences may be observed on the surface and these differences will disappear within the following days.

### Package

20 kg plastic bottle  
165 kg barrel

### Shelf Life

Shelf life is 12 months from the date of production when stored properly at +5 °C to +30 °C at 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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