

Two Component Solvent Free Epoxy Floor Coating

EpoFloor SF[®]



Description

EpoFloor SF is a Two component, solventfree epoxy floor coating system, which provides hardwearing, abrasion-resistant flooring system. **EpoFloor SF** is applied to produce a smooth or slip-resistant finish. **EpoFloor SF** also provides a high build pigmented sealer as a topcoat for **EpoFloor M** to provide a decorative and easy to clean floor.

Key Features

- Solvent-free.
- Smooth high gloss finish for hygienic applications.
- Durable and hardwearing.
- Limited maintenance.
- Easy to apply.
- Available in a wide range of colours.
- Excellent resistance to a wide range of chemicals:
 - Fuel Oil: Excellent
 - Diesel: Excellent
 - Kerosene: Excellent
 - Sodium Chloride: Excellent
 - Sodium Hydroxide 50%: Good
 - Calcium Chloride: Excellent
 - Calcium Hydroxide: Excellent
 - Dairy products: Excellent
 - Sugar solution: Excellent
 - Phosphoric Acid 20% solution: Good
 - Acetic Acid 50% solution: Good
 - Sulfuric Acid 50% solution: Good
 - Nitric Acid 20% solution: Good
 - Lactic Acid 10% solution: Good

Technical Properties & Standards

Dry film thickness	200 – 250 microns/coat 1.45 ± 0.10kg/ltr at
Solid content	100 %
Pot life at 20°C	120 minutes
Pot life at 30°C	90 minutes
Tack-free time	Approx. 4 hours at 35°C
Touch dry time at 20°C	6 hours
Over coating time at 20°C	24 hours
Compressive Strength	> 75 N/mm ²
Flexural strength	> 38 N/mm ²
Tensile Strength	> 20 N/mm ²
Initial hardness at 30°C	12 hours
Full cure at 30°C	7 days

Uses

EpoFloor SF can be applied as a paint for:

- Warehouses.
- Chemical plants.
- Petrol stations.
- Showrooms.
- Hospitals and laboratories
- Parking and car wash areas.
- Workshops, fabrication areas etc.



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Application Instructions

Surface Preparation: Surface preparation plays a vital role in determining the durability of any epoxy coating. Therefore proper care should be taken while executing it. The concrete should be a minimum of 28 days old before any coating or toppings are applied. The surface should be free from dust, dirt, rust, curing compound, oil etc. We recommend captive shot blasting as the most suitable preparation.

Priming: On most new concrete floors priming may not be required, however for the best adhesion, prime the prepared surface with **EpoPrime SF** and allow to dry. for application procedure please refer to the **EpoPrimer SF** data sheet.

Mixing & Application: Mix part A (resin) for one minute using a slow speed drill fitted with a paddle. then add part B into part A and mix thoroughly for 2-3 minutes to achieve uniform consistency. Apply immediately after mixing. **EpoFloor SF** may be applied by brush, roller or industrial sprayer. When the first coat achieves initial cure (i.e. after 24 hours) apply second coat at right angles to the first. After application the coating must be back rolled to reduce surface irregularities and improve bonding.

Coverage

Approximately .3 kg per coat for 200 micron dry film thickness \pm % .

Quality

All products manufactured by **iChemEG**, or imported from **iChem** affiliate companies worldwide, are manufactured to procedures certified to conform to the quality, environment, health & safety management systems described in the ISO 9001:2008, ISO 14001:2004 & OHSAS 18001:2007 standards.

Color

white, gray & other colors by **RAL**

Storage & Packing

Store under cover, out of direct sunlight and protect from extreme temperatures. In tropical climates the product must be stored in air-conditioned environment.

Available in two Component 5kg and 20kg

Shelf Life

Shelf life is up to 12 months when stored as per recommendations.

Health and safety

As with all construction chemicals products caution should always be exercised. Protective clothing such as gloves and goggles should be worn. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.

Legal Notes

The information provided in this data sheet, are given in good faith based on our current knowledge and experience of the product when properly stored, and applied by professional applicator, and under normal conditions in accordance with the mentioned recommendations. In practice under actual site condition differences are such that no warranty can be issued nor any liability can be taken, arising out of any legal relationship whatsoever. The product must be tested onsite to check its suitability for the intended application and purpose



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