

Epontflor FC460

Solvent Based Epoxy Floor Coating

Description

A two components solvent based epoxy floor coating for concrete or cementitious floors.

Benefits

- Attractive coloured floor
- Increased abrasion resistance
- Hygienic, easy to clean
- Protects and dustproof

Colour Range

Epontflor standard colours

Standard Thickness

Applied thickness at 50 micron per coat

Areas of Use

- Light industrial floors
- Warehouses
- Electronic industries
- Garages and car park decks
- Pedestrian walk ways

Physical Properties

Mixing Ratio by Weight and Pot Life

| Product | Base | Hardener | Pot Life (25°) | Material Consumption |
|-----------------|------|----------|----------------|-----------------------------|
| Epontflor FC460 | 3.44 | 1 | 4 hours | 0.15kg/m ² /coat |

- Times Between Coats 8 – 48 hours at 25°C
- Cure Time for:
 - Foot Traffic 8 hours at 25° C
 - Vehicular Traffic 48 hours at 25° C
 - Chemical 7 days at 25° C
- Dry Film Thickness 50 microns/m²/ coat
- Abrasion resistance CS-17 (ASTM D4060) 90 mg weight loss after 1000 cycles of abrasion
- Tensile Adhesion (ASTM D4541) >1.5 N/mm² (concrete failure)

Chemical Resistance

Epontflor FC 460 is resistant to a wide range of chemicals commonly used in industrial areas.

Resistance to spillages

| | | | |
|-----------------------------------|--------------------|----------------|---------------------|
| Citric Acid 5% | Tartaric Acid 5% | Acetic Acid 5% | Nitric Acid 25% |
| Hydrochloric Acid 10% | Sulphuric Acid 30% | Lactic Acid 5% | Phosphoric Acid 30% |
| Sodium hydroxide 30% Solution 38% | Petrol | Sugar Solution | Formaldehyde |

Application Instructions

Products Used in this System

Primer: Epontflor S/B 360

Topcoat: Epontflor FC 460

Surface Preparation

- New concrete floors should be cured for a minimum of 28 days and dried to below a moisture content of 4%.
- For adequate adhesion of coatings, concrete surface should be free of laitance.

Priming

- Apply 1 coat of Epontflor S/B 360 and cured.
- Efficient sealing of the concrete surface is essential to minimize surface defects in the finishing coat.

Mixing

- Add entire contents of the part B to part A container.
- Using an electric mixer to mix the mixture until a homogenous solution is obtained.
- Direct application, further dilute with thinner is not recommended.

Application**First Coat**

- Apply Epontflor FC460 using fine smooth lamb wool roller on cured primed surface.
- Allow to cure prior to apply subsequent coat.

Second Coat

- Apply Epontflor FC460 using fine smooth lamb wool roller on cured first coat within 6 – 48 hours.
- In cold weather a longer period of cure before applying the second coat may be required.

Supply

| Product | Base | Hardener | Pre-Packed Unit |
|-----------------|--------|----------|-----------------|
| Epontflor FC460 | 15.5kg | 4.5kg | 20kg |

Cleaning

Epont Epoxy Thinner

Shelf Life

When stored all components at cool and dry place. The shelf life is 12 months in the original unopened container.

The information given in this data sheet is based on many years experience and is correct to the best of our knowledge. However, since the use of our products in accordance with the instructions given, and their success in application is dependent on a number of factors, we can only be responsible for the quality of our product at the time of dispatch. Should any doubt arise about specification or application, our Technical Service Team should be contacted immediately. The users therefore should make their own determination in using the product of the data contained herein for any application.