



FLORCOAT EP

SOLVENT FREE EPOXY COATING

Product Description

FLORCOAT EP is a two component, 100% solids epoxy coating. It is formulated for hard wearing, abrasion resistant, chemical resistant floor with improved cleanability. A Non-slip surface can be produced by incorporation of aggregates between the coats.

Features

- 100% Solids
- Seamless and hygienic finish, no crevices where dirt and bacteria can dwell.
- Gloss finish permits easy cleaning and low maintenance.
- Protects against moisture penetration.
- Excellent bond strength assures good adhesion.
- Non-Slip finish can be tailored to requirements.
- Excellent bonding to many different substrates.

Green Building Compliance

This product has following distinct advantages

- Eco-friendly
- Low VOC
- Solvent free with a high level of mechanical, chemical and water resistance,
- Low odour
- Antimicrobial
- Low maintenance
- Easier cleanability
- LEED compliant
- Ideal for use in Green Building

Uses

FLORCOAT EP is a general service coating designed for use, whenever high solids, corrosion resistant, gloss coating is required. It is used to provide a light to medium duty, easy to clean, Chemical resistant floor coating. Some application areas of **FLORCOAT EP** are:

- Workshops.
- Pharmaceutical plants.
- Showrooms.
- Packaging areas.
- Warehousing areas.
- Car Park Decks

Properties

%NVM - 100%	
Pot Life @ 25°C	: 30 mins
Application	: Brush/ Roller
Drying Time	:
Surface Dry	4-6 hrs ,
Hard Dry	Overnight
Intercoat Interval	: 12 Hours
Hardness, Shore D (ASTM D 2240)	: 75-80
Taber Abrasion Loss/1000 Cycles (CS 10 wheels) (ASTM D 4060)	: 61 mg
Dry Film Thickness	:
200-225 microns per coat depending on porosity	
Recommended no. of coats:	2 minimum
Mixing Ratio	- As supplied

The values given above are average figures achieved in laboratory tests. Actual values obtained on site may show minor variations from those quoted.

Coverage

FLORCOAT EP : 4-5 sq.mts/kg per coat depending on porosity, roughness & method of application.

Method of Application

APURVA's system should be installed by approved contractors. Following information should be used as a guideline.

Surface Preparation

The long-term durability of the applied **FLORCOAT EP** topping is dependent on the adhesive bond achieved between the flooring material and substrate.

It is most important therefore, that substrate surfaces are correctly prepared prior to application.

- a) New concrete or cementitious substrates should have been placed at least 28 days and have a moisture content of less than 5% before topping with **FLORCOAT EP**.

APURVA INDIA LIMITED

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- b) Before application, the surface to be coated, should be free from loose particles, rust, oils, grease, or earlier coatings and should be thoroughly dry.
- c) After surface is dry, all repair work like sealing of joints, crack filling of cavities and crevices should be carried out.
- d) If the surface is Tremix or smooth surface then Shot Blasting is carried out to make the surface rough in order to enhance the bonding of the primer.

Mixing

Pack components are pre-weighed for optimum performance. Never split packs. Empty contents of Base into a mixing container and pre-mix to assure the suspension of solids. Add Curing Agent and continue to mix to a uniform consistency for 1-2 minutes. Mix with slow speed drill and helical spinner head for 2 minutes. Avoid high speed mixing that will entrain air into the mix.

Application

FLORCOAT EP must be applied immediately after mixing the two components. **FLORCOAT EP** is applied with a rubber squeegee and medium nap roller. The roller is used to remove squeegee lines and smooth out the surfaces. Each additional coat may be applied when surface is hard dry, which is about 10-12 hours.

Colours

We shall always endeavour to supply the material in the colour shade ordered. However exact matching will not be possible.

Batch to batch colour variation may occur. Ensure that materials for final application are always drawn from the same batch.

Where colour matching is required over more than one order or delivery. Apurva's Technical department must be contacted prior to placing the order(s) and the requirement stated clearly on all orders relating to the project(s).

Recommendations

Apply only on a clean sound and properly prepared substrate.
Do not use water or steam in the vicinity of the application. Moisture can seriously affect the working time and properties of material.

Shelf life

FLORCOAT EP has a shelf life of 12 months if kept in warehouse conditions at 30°C in the original, unopened pack.

Storage conditions

Store in dry conditions between 5°C and 30°C, away from sources of heat and naked flames, in the original, unopened packs. If stored at high temperatures the shelf life will be reduced.

Packaging

FLORCOAT EP is packaged in packs for easy handling. Each pack consists of
2 Kg of Curing Agent
4 Kg of Base

Handling & Safety

Keep the containers tightly sealed when not in use. Avoid skin contact and inhalation of fumes (if any). While spraying it is advised to wear a mask. If it comes in contact with the body, wash affected parts with plenty of water. In case of persistent irritation, contact a physician.

Disclaimer: The manufacturer reserves the right to change the specifications. Apurva India Limited products are guaranteed against material manufactured and are sold subject to the company's Terms and Conditions of Sale. Whilst we endeavour to ensure that advice, specifications, recommendations and information given is correct, we cannot have control over how our products are applied and will not accept liability, directly or indirectly, arising from application of our materials.

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