



# 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 and improved cleanability. A Non-slip surface can be produced by incorporation of aggregates between the coats.

### PRODUCT ADVANTAGES

- 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.

### TYPICAL USES, ADVANTAGES

**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

### PHYSICAL CHARACTERISTICS

Percent Solids.....	100%
Application.....	Brush, Roller
Mixing ratio.....	2 : 1 or As Directed
Pot Life.....	30 Minutes at 23 °C.
Drying Time.....	Touch Dry-60 Mins, Hard Dry
Intercoat Interval.....	6-8 Hours Minimum
Dry Film Thickness.....	200-225 microns/kg per coat depending on porosity at below mentioned spread rate
Coverage.....	4-5 sq.mts/kg per coat depending on porosity, roughness & method of application.
Recommended no. of coats.....	2 min.
Ready for use.....	Light Traffic - 24 hrs. Full Traffic - 48 hrs.

### METHOD OF APPLICATION

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

#### 1. 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 is 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**.

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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 smooth then Shot Blasting is carried out to make the surface rough in order to enhance the bonding of the primer.

## 2. PRIMING

For use over a concrete surface, **FLORPRIME WB** primer is recommended depending on substrate condition to ensure maximum product performance.

## 3. 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.

## 4. 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 tack free, which is about 6 hours.

## 5. CURING

The surface of **FLORCOAT EP** will be tack free in 4-6 days. The coated area may be put back in service 2 days.

### Substrate Requirements With Colour

Must be of sufficient strength to support loads applied through the topping.

Must be free from rising damp.

All contamination must be removed to give a clean dry textured surface.

### Substrate Movement

All moving joints must be carried through the **FLORCOAT EP** and properly sealed. Construction joints and cracks may be covered but if substrate movement occurs, the **FLORCOAT EP** will reflect the crack.

### Repairs & Levels

When applied on old floors, all damaged areas of the floor should be made good and upto level using epoxy mortar.

### SPECIAL CONDITIONS

#### 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.

#### **PACKAGING**

**FLORCOAT EP** is packaged in packs for easy handling. Each pack consists of 2 Kg of Curing Agent + 4 Kg of Base  
It can be supplied in bulk packing also.

#### **STORAGE & SHELF LIFE**

Stored unopened in dry conditions under covered space.  
Shelf life will be 6 months

#### **HANDLING AND 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 of plenty of water. In case of persistent irritation, contact a physician.

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*Apurva's wide range of quality products meets the tough requirements of the building industry. Constant interaction with clients, regular improvisation to meet growing needs and a strong commitment to provide products that perform has made Apurva a truly trusted name in the field.*

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