



FLORPRIME EP

Solvent Free Epoxy Primer

Product Description

FLORPRIME EP is a two part 100% solid epoxy resin priming system.

Green Building Compliance

This product is Eco-friendly, Low VOC, solvent free with a high level of mechanical, chemical resistance, ideal for use in Green Building.

Features

- It has low viscosity with maximum penetration, soaking into the capillary pores.
- It also strengthens the top layer of substrate.
- It has excellent adhesion to any substrate.
- It is compatible with subsequent Epoxy and Polyurethane Top Coats.

Uses

FLORPRIME EP is suitable for priming concrete surfaces prior to the application of any of the **FLORGARD SL / EPU SL / FLORGIENE MD** range of resin based floor toppings, **FLORCOAT EP/FLORTHANE** range of coatings or **FLORSCREED** range of epoxy repair mortars.

Properties

Application : Brush/Roller
Mixing ratio : As supplied

Pot Life @ 25 °C : 35 mins
Curing Time :
Initial Cure : 3-4 hours,
Full Mech. Cure : 12 hours
Ready for use : Within 24hrs
Top coat

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

Coverage

FLORPRIME EP:

3-5 sq.mts /Kg /coat depending on substrate porosity, texture and substrate temperature.

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 **FLORPRIME EP** is dependent on the adhesive bond achieved between the material and substrate. It is most important therefore, that substrate surfaces correctly prepared prior to application.

- a) New concrete or cementitious substrates should have been placed atleast 28 days and have a moisture content of less than 5% before topping with **FLORPRIME EP**.
- 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 VDF or smooth surface then Shot Blasting is recommended to make the surface rough in order to enhance the bonding of the primer.

Concrete defects such as voids, bug holes, excess porosity, and physical and chemical damage are usually filled or repaired prior to the installation of the F/C system. (Materials such as slurries, mortars, and polymer concrete are used to level, smooth and patch concrete surfaces).

The laitance (A thin, weak, brittle layer of cement and aggregate on concrete surface) on in-situ bases and any surface sealer or curing membrane should be entirely removed by suitable mechanised equipment.

Old Concrete surfaces: All surface contamination, e.g. oil, paint and rubber, should be removed and adequate mechanical preparation carried out to achieve a sound and stable surface with exposed coarse aggregate. (Existing floor paints should be removed by mechanical abrasion or contained shot blasting. When clear of all surface contamination, the concrete should be prepared mechanically to remove all laitance and expose a fresh surface).

APURVA INDIA LIMITED

New Udyog Mandir No. 2, Office No. 2, 2nd floor, 7-C, Pitambar Lane, Mahim (W), Mumbai - 400 016, India.

Tel.: 91-22-24475051 | Fax: 91-22-24475056 | Website: www.apurvaindia.in





After surface preparation all loose debris and dirt should be removed by vacuum- equipment.

Mixing:

Pack components are pre-weighed for optimum performance. Never split packs. Empty contents of component B into a mixing container and pre-mix to assure the suspension of solids. Add component A and continue to mix to a uniform consistency for 1-2 minutes. Mix with slow speed drill and helical spinner head for 2 minutes.

Application

FLORPRIME EP must be applied immediately after mixing the two components. **FLORPRIME EP** is applied with a paint brush or roller to produce a thin film.

On porous surfaces Florprime EP will be absorbed very quickly leaving characteristic light coloured dry patches. It is recommended that a second priming coat be applied to these dry areas. This not only helps to ensure good adhesion but also prevents air release from the porous substrate which may cause bubbles in the final epoxy topping later.

Packaging

FLORPRIME EP is available in 6 kg composite packs for easy handling.

Shelf life

FLORPRIME 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

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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