



FLORPRIME ESD

WATER BASED EPOXY ANTISTATIC PRIMER

Product Description

FLORPRIME ESD is a solvent free black two-pack low viscosity conductive primer based on Epoxy resin. It is used prior to application of Antistatic Epoxy Floor Coating.

Green Building Compliance

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

Features

- Being water based excellent wetting of cementitious surface.
- Gives very good adhesion to the top coat.
- Solvent free
- Can be applied on Concrete, Metal, Wood etc.

Uses

FLORPRIME ESD is suitable for priming prior to the application of the FLORGARD ESD /FLORGIENE ESD SL.

Properties

Application : Brush/Roller

Pot Life @ 23 °C : 25-30 mins

Electrical resistance : $5 \times 10^4 - 10^8$ ohms

Curing Time :

Initial Cure 2-3 hours,

Full Mech. Cure 12 hours

Ready for use Within 24hrs

Top coat

Full Chemical Cure 7 days

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

FLORPRIME ESD:

Approximately 4-6 sq.mts /Kg /coat depending on substrate porosity, texture, temperature of substrate

Method of Application

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

Surface preparation

- The surface should be fully sealed and primed using FLORPRIME EP primer.
- Before application, the surface to be coated should be free from loose particles.
- Earthing points should be installed including a grid of conductive self adhesive copper tapes at the distance of 5mt.
- The FLORPRIME ESD should be applied on the surface including the copper Tape. Electrical resistance should be tested prior to over coating

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 floor coating 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, e.g. shot-blasting, panning or grinding, to expose cleanly the coarse aggregate.

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).

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

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

Packaging

FLORPRIME ESD is available in 5 Kg composite packs for easy handling. Each pack consists of
4 Kg of Curing Agent (Component A)
1 Kg of Base (Component B)

Shelf life

FLORPRIME ESD 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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