



FLORGARD ESD

Electrostatic Dissipative Industrial Flooring

(Formerly Known as COROCID-AS)

PRODUCT DESCRIPTION

FLORGARD ESD is a four pack easy to apply, solvent free resin based floor topping laid at 2mm. It is specially formulated as part of an antistatic system.

USES

To provide a hard wearing, seamless, antistatic floor with an electrical resistance in the range $5 \times 10^4 - 10^8$ ohms.

PRODUCT ADVANTAGES

- Meets BS 2050 Antistatic requirements.
- Seamless and hygienic finish, no crevices where dirt and bacteria can dwell.
- Excellent chemical resistance to sugars and acids.
- Easy to clean and sterilize, low maintenance requirements.
- High abrasion resistance.
- Solvent free; low odour.

PHYSICAL CHARACTERISTICS

Application.....	Steel Trowel/Roller
Mixing Ratio.....	As directed on container
Pot Life	20-30 minutes @ 25°C
Compressive Strength.....	> 55 N/mm ²
Flexural Strength.....	> 33 N/mm ²
Tensile Strength.....	> 15 N/mm ²
Bond Strength.....	> cohesive strength of concrete
Water adsorption.....	0%
Abrasion resistance.....	< 0.05mm
Impact resistance.....	< 0.5mm
Decontamination classification.....	Good
Electrical resistance.....	$5 \times 10^4 - 10^8$ ohms

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 **FLORGARD ESD** 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 **FLORGARD ESD**.
- 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.

1. PRIMING

The surface should be fully sealed and primed using two coats of recommended primer.

Earthing points should be installed (including a grid of conductive copper tape if required) and the floor coated with Antistatic Primer.

Electrical resistance should be tested prior to over coating.

2. MIXING

Pour the total contents of Hardener B into the Base A and drain thoroughly. Mix by use of drill mixer. Do not mix by hand.

Transfer the mixed Base and Hardener into a mixer and add Filler C while mixing. When uniform, add in Filler D and mix for 1 minute until uniform.

Care must be taken not to use a high speed drill due to which h increased the air entrainment will occur.

3. APPLICATION

Spread the mixture on the floor immediately to the required thickness by means of rollers and serrated trowels. The floor should be rolled by a spike roller to remove trapped air.

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).

Temperatures

For best results and easy laying the **FLORGARD ESD** should be stored and used at temperatures between 10°C – 25°C.

It is not advisable to lay below 7°C or above 30°C.

Substrate Requirements

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.

Packaging

20 kgs composite packs consisting of Base A, Hardner B, Filler C and Filler D.

It can be supplied in Bulk packing also.

STORAGE & SHELF LIFE

Storage & Shelf Life

Stored unopened in dry conditions at 10-25°C, shelf life will be 12 months minimum.

HANDLING AND SAFETY

Take normal precautions to avoid skin contact. Provide well ventilated conditions or use suitable respiratory protection. Wash thoroughly with a suitable resin removing cream – any areas where product comes into contact with skin followed by washing with soap and water. Splashes in the eyes should be well flushed out at least 10 minutes with water or a proprietary eye wash and medical attention sought. This product is flammable and should be kept away from sparks and naked flames – Smoking is strictly prohibited as product is flammable.

The manufacturer reserves the right to change the specifications. Apurva India Limited products are guaranteed against material manufacture and are sold subject to 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.

For further details please contact :

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