



FLORGARD CR

SELF LEVELLING CHEMICAL RESISTANT EPOXY FLOOR SYSTEM

PRODUCT DESCRIPTION

FLORGARD CR is based on carefully selected solvent-less, 100% solids Epoxy resin composition. It is a three components system consisting of base, hardener and hard wearing graded fillers. It is a self levelling composition and forms a chemical resistant, very smooth, attractive, hygienic and hard wearing floor topping.

PRODUCT FEATURES

Hygienic – It provides a joint-less flooring making it dust free and is easy to clean because of smooth surface.

Chemical Resistant – It has excellent chemical resistance to most of Organic & Inorganic chemicals, Caustics and other solvents

Wear Resistant – It provides a tough floor topping to withstand foot and vehicular traffic.

Aesthetics – It is available in various colour shades to provide attractive floor finish.\

Slip Resistant – Anti Slip properties can be provided by broadcasting graded aggregates as per the requirement

RECOMMENDED USE

FLORGARD CR is recommended for use where extremely hygienic, abrasion, chemical resistant and dust free environment is required. It is ideally suited for following industries.

- ❖ Pharmaceutical Industries
- ❖ Chemical Industries
- ❖ Petro Chemical Plants
- ❖ Clean Rooms
- ❖ Food Processing Industries
- ❖ Chemical Storage Area

PRODUCT CHARACTERISTICS

Av. Film Thickness.....	0.5-3mm
Application.....	Serrated Trowel
Cure Time.....	Initial Cure – 6 hrs.
Full Mech. Cure	48 hrs.
Full Chemical Cure.....	7 days
Colours.....	Available in Different Shades
Finish.....	Gloss/Semi Gloss
Pot Life.....	30 min.
Coverage.....	3.33 kg. of mixed material for 2 mm
Ready for use.....	To walk – 24hrs.
To light traffic.....	48 hrs.

PRODUCT CHARACTERISTICS

Compressive Strength.....	80 N/mm ² (ASTM D 695)
Flexural Strength.....	60 N/mm ² (ASTM D790)
Bond Strength (Concrete).....	1.35 N/mm ² .(ASTM D882)
Shore Hardness 'D' Scale.....	75-80 (ASTM D 2240)
Abrasion Resistance.....	35mg (BS 8204)Part 2
Elongation at Break.....	20%

CHEMICAL RESISTANCE

Mineral Acids -	Very Good
Fat , Oils and Sugars -	Excellent
Organic Solvents -	Very Good
Alkalis -	Very Good

- Contact Technical Service Department for specific exposure levels

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 **FLORGARD CR** topping is dependent upon the adhesive bond achieved between the flooring material and substrate. It is most important therefore, that substrate surface is correctly prepared prior to application.

- a) New concrete or cementitious substrates should have been placed for at least 28 days and have a moisture content of less than 5% before topping with **FLORGARD CR**.
- 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, cracks filling of cavities and crevices should be carried out.
- d) The self levelling action is very localized and does not eradicate irregularities of level present in the original substrate. It is most important, therefore, that adequate surface preparation and repair is undertaken prior to application of **FLORGARD CR** flooring systems.

1. PRIMING

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

2. 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. Broadcast colour quartz supplied.

3. TOP COAT:

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. The floor shall self level to uniform colour and smoothness.

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.

Repairs & Levels

Concrete floors are generally laid to a levels tolerance of +/- 3mm under a 3metre straight edge. Whilst **FLORGARD CR** has excellent local levelling properties, overall level deviations will not be eliminated by laying a self smoothing topping of 2-3mm.

Packaging

FLORGARD CR is supplied in pre-weighed packs for easy handling.

STORAGE & SHELF LIFE

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

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 the company's Terms and Conditions of Sale. Whilst we endeavour to ensure that advice, specifications, recommendations and information given is correct, we can not have control over how our products are applied and will not accept liability, directly or indirectly, arising from application of our materials.

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.

For further details please contact :

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