

Floorkote CG

Abrasion resistant Polyurethane clear coating - Gloss

TYPE 3 EFNARC GUIDELINE

HIGH BUILD FLOOR COATING

Description

Floorkote CG is a highly cross linked polyurethane clear floor coating recommended as a hard wearing top coat on Deco and Terrazzo floors. It is highly wear resistant because of its unique chemistry and incorporation of special additives.

Uses

- Highly abrasion resistant clear coating for DecoFloors, multi colour screeds and epoxy terrazzo floorings

Key features

- Fast curing
- Excellent UV resistance
- Excellent abrasion resistance

Properties

Type	: Polyester aliphatic isocyanate
Mixing ratio (R : H)	: 1 : 1 by weight
Finish	: Glossy
Appearance	: Clear
Pot life @ 27°C ASTM D 2471	: ≥ 65 minutes
Volume Solids ASTM D 2697	: ≥ 72%
Recommended DFT ASTM D 1186	: 300 - 500 microns
Drying time @ 25°C ASTM D 1640	
Surface dry	: ≥ 2 hrs
Tack free dry	: ≥ 7 hrs
Hard dry	: ≥ 24 hrs
Theoretical coverage	: 2.4 sqm / kg @ 300 microns
Application	: By roller / brush
Recommended thinner	
Clean up	: PUT 502
Shelf life	: 6 months in the unopened container

Performance data

The mandatory performance parameters as per FeRFA and EFNARC guidelines for resin Flooring systems

Abrasion resistance ASTM D 4060-2019	: Max 45 mg loss
Impact resistance IS 101 (Part 5 / Sec 3)	: Pass (1.8 kg @ 90 cm height)

Other mechanical properties

Elongation ASTM D 638	: ≥ 65%
Tensile strength ASTM D 638	: 6 MPa
Pendulum test (Slip resistance) BS 8204	: 45-50 (low risk of slip)

Chemical resistance

Excellent resistance is observed against distilled water, detergent solutions, alkalies and acids. Chemical spillages should always be wiped up as quickly as possible and not be allowed to concentrate up by evaporation. The data on the list of the chemicals found resistant to this product during our lab study is available on request.

Note : The typical physical properties given above are derived from testing in a controlled laboratory environment. Results derived from testing field-applied samples may vary, dependent on actual site conditions

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Directions to use

Ensure that the surface to be top coated is smooth, zero levelled and free from any surface impurities. Mix Floorkote CG resin and hardener in 1 : 1 ratio by weight. Agitate the mixture for 2-3 minutes. Apply by roller / brush at a thickness of 100 microns. Allow to cure for overnight.

Do's

Clean regularly
Remove aggressive chemical spillage immediately
Maintain wheel for proper rolling, should not get dragged
Handle heavy material gently and cautiously
Clean any oil or any liquid which may cause accident during people's movement

Don't

Drag any sharp and heavy object
Expose to fire or welding spark
Expose to very high temperature than recommended by Manufacturer
Drop down and heavy material on the floor
Expose to highly corrosive chemicals

Packaging

Floorkote CG is available in 5 and 20 kg packs and has a maximum shelf life of 6 months in the un-opened containers.

Storage and handling

The product should be stored in accordance with national regulations. It should be kept in a cool, well ventilated area, away from heat, direct sunlight, sparks and children. Handle with care. Mix resin and hardener as per the ratio. Use the mix solution within the pot lifetime.

Health and safety precautions

Please refer to MSDS. Observe reasonable care and employ ordinary hygienic principles such as washing the hands with soap and water before eating or smoking. It is recommended to wear gloves, goggles and nose masks while application. In case of splashes on the skin, dampen the cloth with thinner PUT 503 and wipe the hands with the cloth. Wash then with soap and water. Dried film is non toxic. In case of contact with eyes, rinse with plenty of water and seek medical advice. In case of continuous exposure to vapour, the applicator should be immediately moved to get fresh air. The disposal of excess or waste material should be carried out in accordance with the local legislations.

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