

# Floorkote CM

## Abrasion resistant Polyurethane clear coating - Matt

### Description

Floorkote CM is a highly cross linked polyurethane clear, matty finish, floor coating recommended as a hard wearing top coat on Creative floors. It is highly wear resistant because of its unique chemistry and incorporation of special additives.

### Uses

- Surface hardening of new and old concrete floors
- Dust proofing of concrete slabs
- Recommended for warehouses, factory floors, loading ramps, bridge decks, drive ways etc.

### Key features

- Fast curing
- Excellent UV resistance
- Excellent abrasion resistance
- Excellent impact resistance

### Properties

Type : Polyester aliphatic isocyanate

Mixing ratio : 1.5 : 1 by weight

Finish : Matt

Appearance : Clear

Pot life @ 27°C : 60 minutes  
ASTM D 2471

Volume Solids : 60%  
ASTM D 2697

Recommended DFT : 100 microns  
ASTM D 1186

Drying time :  
ASTM D 1640

Surface dry : 4.5 hrs

Tack free dry : 7 hrs

Hard dry : 24 hrs

Theoretical coverage : 0.2 kg / sqm @ 100 microns

Application : By roller / brush

Recommended thinner : PUT 502 (Clean up)

### Performance data

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

Abrasion resistance : Max 50 mg loss  
ASTM D 4060-2019

Impact resistance : Pass (1.8 kg at 90 cm)  
IS 101, Part 5, Sec-3

Pull of adhesion : 2 MPa  
ASTM D 7234-2022

### Other mechanical properties

Elongation : Upto 60%  
ASTM D 638

Tensile strength : 7 MPa  
ASTM D 638

Slip resistance : 52 PTV  
BS 8204 - low slip potential

### 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 CM resin and hardener in 1.5:1 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 CM 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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