

Duracove

Polyurethane coving mortar

Description

Duracove is a cost effective, three components, trowel applied, polyurethane coving mortar. It is designed for use with Duracrete range of flooring system to give a seamless finish for hygienic areas.

Uses

Duracove is used as mortar / screed for horizontal and vertical covings in pharma and food processing industries.

Key features

- Excellent adhesion to concrete and other cementitious substrates.
- Excellent bond to polyurethane and epoxy topcoats
- Easy to clean
- Water based and non tainting
- Seamless



Certified

Properties

Type : Polyurethane cement

Mixing ratio (R:H) : As per set

Pot life @ 27°C
ASTM D 2471 : 10 min

Mixed density
ASTM D 1475 : 2.12 gm / cc

Drying time
ASTM D 1640

Surface dry : ≥ 1 hr
Tack free dry : ≥ 3 hrs
Hard dry : ≥ 24 hrs

Theoretical coverage : 2.5 kg/rmt / 50 mm cove
3.5 kg/rmt / 75 mm cove

Application : By coving trowel

Recommended
thinner Clean up : PUT 502

Shelf life : 6 months in the
un-opened container

Performance data

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

Pull off adhesion : ≥ 2 MPa for M20
ASTM D 7234-2022 grade concrete or
Concrete failure

Other mechanical properties

Tensile strength : 1.5 MPa
ASTM D 638

Flexural strength : 8 MPa
ASTM D 790

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 CDS (Clean, Dry & Sound) test is conducted on the concrete. Surface preparation like scarification, grinding or shot blasting is done to achieve a surface profile of 150-200 microns. Apply Duracove primer and allow to part-cure for 1-2 hrs. Unpack the components of Duracove and mix Resin for 1 min using a slow speed drill mixer fitted with suitable stirrer, add Hardener and mix for another 1 min. Add formulated aggregates while mixing and continue mixing for another 1-2 mins. Apply mortar to primed areas while primer is still in tacky state and finish using a steel float and coving trowel. Allow the screed to cure.

Packaging

Duracove is available in pre weighed set of 15 kgs 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 life time.

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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