

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 systems to give a seamless finish for hygienic areas.

Uses

Duracove is used as a Mortar/ Screed for horizontal and vertical coverings 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

Properties

Type	: Polyurethane cement
Mixing ratio (R:H)	: As per set
Mixed density ASTM D 1475	: 2.09 ±0.03 gm/cc
Pot life @ 27°C ASTM D 2471	: ≤ 15 min
Drying time ASTM D 1640	
Surface dry	: 3 - 4 hrs
Tack free dry	: 5 - 6 hrs
Recommended thinner	
Clean up	: PUT 502
Theoretical coverage	: 2 kg/rmt / 50mm cove 4 kg/rmt / 70mm cove
Shelf life	: 6 months in the un-opened container

Performance data

Compressive strength ASTM D 695 - 28 days	: 40 - 45 MPa
--	---------------

Tensile strength ASTM D 638	: 3-4 MPa
--------------------------------	-----------

Flexural strength ASTM D 790	: 11 - 14 MPa
---------------------------------	---------------

Adhesion test, pull off ASTM D 4541	: 2 MPa with concrete failure
--	-------------------------------

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 1.0 kg and DPI -0.090 kg for 1 min using a slow speed drill mixer fitted with suitable stirrer, add Hardener 1.1 kg and mix for another 1 min. Add formulated aggregates 13.54 kg 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 kit of 15.75 kg 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.

Duracove

Polyurethane coving mortar

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.

Disclaimer

All information contained in this data sheet is given to the best of our knowledge but no warranty is made with respect thereto. This data sheet becomes invalid as soon as a new edition has been published. Please contact us for latest edition. Description and advice regarding Cipy's products are based on long term field and laboratory tests carried out by us. No condition of warranty is given covering the results from the use of materials in the circumstances of any particular application, because the storage, handling and application of the materials are beyond our control.

Ref.: CPPL/05-19/0193



Cipy Polyurethanes Pvt Ltd

T-127, MIDC, Bhosari, Pune - 411 026

Tel. +91-20-66316400 / Fax : +91-20-66316460

Email : info@cipyurethane.com

