

Duracove TC

Coving PU topcoat

Description

Duracove TC is a highly cross-linked polyurethane coating designed to use as sealer/ topcoat for PU coving where maximum chemical resistance is required.

Uses

Highly chemical resistant topcoat for PU Coving systems.

Key features

- Ease of application
- Easy to clean
- Excellent chemical resistance



Certified

Properties

Type : Polyurethane

Mixing ratio (R:H) : As per set

Pot life @ 27°C
ASTM D 2471 : 10 min

Solids %
ASTM D 2369 : ≥ 80%

Drying time
ASTM D 1640

Surface dry : ≥ 1 hr
Tack free dry : ≥ 5 hrs
Hard dry : ≥ 24 hrs

Recommended WFT
ASTM D 4414 : 200 microns

Recommended DFT
ASTM D 7091 : 140 microns

Application : By roller / brush

Theoretical coverage : 35 mmt / set for 50 x 50 mm cove
26 mmt / set for 75 x 75 mm cove

Recommended thinner Clean up : PUT 502

Shelf life : 6 months in the un-opened container

Performance data

The mandatory performance parameters as per FeFRA and EFNARC guidelines for resin flooring system

Pull of adhesion : 1.5 MPa
ASTM D 7234-2022

Other mechanical properties

Tensile strength : 13 MPa
ASTM D 638

Elongation : 3.5%
ASTM D 638

Flexural strength : 11 MPa
ASTM D 790

Chemical resistance

Excellent resistance is observed against distilled water, detergent solutions, alkalis 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 Duracove TC resin and hardener. Add aggregates and continue the mixing for 2-3 minutes. Apply by roller / brush at a required thickness and allow to cure for overnight.

Packaging

Duracove TC is available in pre-weighed set of 2.2 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.

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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