

Core Epoxica Coat

Solvent Free Epoxy Resin Floor Coating



Description

Core Expoxica Coat is a 2K solvent free, epoxy resin floor coating. It is supplied in pre-measured quantities, ready for site mixing and use.

- Protective and decorative.
- High build application.
- Can be applied directly to the substrate.
- Smooth, glossy and easy to clean surface.
- Low odour and VOC – Environment friendly.
- Excellent adhesion to most building materials.
- Good mechanical strength.

SERVICES

Cementitious coating

Crystalling Coating

Addmixture

Sealant

Grout

Epoxy primer

Repair Mortar

Flooring

PU flooring

PU coating

Bitumen Coating

Latex

Waterstopper

Recommended Uses

As a protective coating for concrete and steel. The cured film is corrosion and abrasion resistant.

- Power stations.
- Basements and tunnels.
- Light Production areas and workshops.
- Clean areas such as laboratories.
- Beverage and food production areas.
- Hospitals and schools.
- Pharmaceutical plants.



Technical Data

TYPE			Core Epoxica Coat
SOLIDS		%	100
POT LIFE @ 25OC	25°C	Min	45
Bond Strength (ASTM D4541)		N/mm ²	> 2.00
Water Absorption (ASTM D570)		%	< 0.1%
Resistance to Fungal & Bacterial growth (ASTM D 3273)			Resistant
Resistance to Carbon dioxide diffusion		%	100
Number of coats		No	2
Theoretical application rate per coat		Kg /m ²	0.29-0.4
Theoretical wet film thickness per coat		Microns	180-240
Mixed Density	25°C	g/cm ³	1.5
Working time	25°C	Min	35

Important Information

Supplied in: 120 kg two-pack units.

Storage: Dry, frost free area Out of direct sunlight.

Shelf Life: 12 months

Hazard Class: No dangerous goods Consult MSDS for details

Application Guidelines

Surface preparation:

Anything that can impair adhesion must be removed including any grease, oil, dust, curing compounds or any previous coating using grit ballasting, milling or grinding. Mechanical wire brush can be used for small areas. The aggregate must be exposed and any repair must be done prior to application using Core epoxy repair system. For better results, it is recommended to prime the surface using a suitable water-based primer such as Core EpoPrime.

Mixing: Pour the Part B into the Part A and mix using a slow speed mixer (300-600 RPM) until homogenous. Make sure the material at the bottom and sides of the container is well mixed.

Application:

Core Epoxica Coat can be applied by brush, short hair roller or airless spray.

Brush/Roller application:

Apply the mixed material to a properly prepared substrate using a brush or short hair roller. Painter's tray is essential for extended pot life. It is recommended to apply 2nd coat perpendicular to the 1st coat.

Spray Application:

Suitable for large applications. Spray the mixed material on the prepared to give an even, pinhole free surface to achieve minimum DFT 300 microns in two coats. To achieve greater film thickness, allow proper curing before applying subsequent coats.

Curing:

The ambient temperature and sub-surface's temperature affect the curing of reactive polymers in particular. Low temperatures slow down the chemical reaction prolonging time for second coat and vice versa. Premature exposure to dampness can cause surface bubbles.

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