BEST CONSTRUCTION
CHEMICALS
Stick with Best

BESTCOAT 500

Bestcoat 500 is a 2K solvent free, epoxy resin coating

Description:

- Protective and decorative.
- High build application.
- Good hiding properties.
- Can be applied directly to the substrate.
- Smooth, glossy and easy to clean surface.
- Excellent adhesion to most building materials
- Good mechanical strength

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.

Technical Data:	
Type	EP SF
Solids	100 %
Pot Life @ 25C	45 Min
Bond Strength (ASTM D4541)	>2.00 n/mm2
Water Absorption (ASTM D570)	<0.1 %
Resistance to Fungal & Bacterial growth (ASTM D 3273)	Resistant
Resistance to Carbon dioxide diffusion	100 %
Number of coats	2 Nos
Theoretical application rate per coat	0.29-0.4 kg/m2
Theoretical wet film thickness per coat	180-240 Microns
Mixed Density @ 25C	1.5 g/cm3
Working time @ 25C	35 Min

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Important Information:

Supplied in: 20 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 Bestepoxy repair system. For better results, it is recommended to prime the surface using a suitable water- based primer such as BestPrimer EP.

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:
Bestcoat 500, 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 300~500 microns in two coats. To achieve greater film thickness, allow proper curing before applying sub-sequent coats.

Curing:
he 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.

Disclaimer:
The information in this data sheet is given to the best of our knowledge based on laboratory testing and practical experience. However, as the product is often used under conditions beyond our control, we cannot guarantee anything but the quality of the product itself. We reserve the right to change the given data without notice.