Product Data Sheet

Cpox CPC 500

Selection & Specification Data Sheet

Car Park Coating: Solvent free textured floor coating

Description

Cpox CPC 500 is a solvent free, self-smoothening, pigmented epoxy floor toping, which is laid at thikness of 0.5 mm to 1 mm.
Cpox CPC 500 is joint less toping , smooth, non-poros, hygienic, chemically resistance and esy to clean floor.
It is must ideal and economical substitute for a floor coating.

Advantages

- Excellent adhesion
- Solvent free
- Excellent flow and levelling characteristics
- High gloss
- Excellent toughness
- Texture finish
- Easy application
- Esy Clean Choice of attractive colours.
- Very – low wear & tear compared to a floor coating

Areas of Application

Cpox CPC 500 is used in areas where heavy duty protection is required against abrasion, chemicals . It finds application in:

- Car park coating /Texture or Selfsmooth
- Pharmaceutical
- Electric / Electronics industries
- Computer rooms
- Engineering Industries
- Auto-ancillaries and service stations
- Laboratories
- Aerospace and light-engineering industry
- Picture-tubemanufacturing plants
- Malls and department stores
- Fermentation floors in tea garden
- Textilemills
- Food Processing industries

Technical Details

Drying time
ASTM D 1640
Surface dry : ≥ 1 hr
Tack free dry : ≥ 7 hrs
Hard dry : ≥ 24 hrs
Full chemical Cure - After 7 days
SHRINKAGE FACTOR : Nil
Theoretical coverage : 23 sqmt per set
Colours Also available all RAL Shade if required any special colors we will provide.

PRODUCT	THIKNESS	MIXING RATIO BY (WETH)	COVERGAE SQMT.
CONC (p) PRIMER	75 MICRON	A:B=1:1	0.15 KG/SQM.
Cpox 715	2 MM	A :B :C 1:1:10.5	4.20 KG/SQM.
Cpox CPC 500	0.5 mm	Pre-weighed packs with resin, hardener, aggregates and colour	0.8 KG/SQM.

Performance Data

Compressive Strength >50 – 55 MPa
Flexural Strength > 40 N/mm$_2$ (7 days)
Tensile strength > 10 MPa
Elongation ASTM D 638 ≥ 8%
Abrasion resistance ≤ 85 mg loss
Bond Strength > 3.5 N/mm$_2$ (Concrete failure)

Packaging

Supplied in 18.4 Kg. pack
Special packs may be available on request.

Application Methodology

Directions to use :

Ensure that the sealer or prime coat is fully dried. Mix Cipox CPC 500 resin, hardener, EPI and aggregates as per set. Agitate the mixture for 4-6 minutes. Apply by roller at a thickness of 500 microns. Roll the material evenly with a textured roller within 5 minutes of spreading of material. Allow to cure overnight. Allow trafficking after 48 hours.

Caution :Where there are expansion joints in the sub-floor Cpox CPC 500 should not be done over expansion joints. Cut open the concrete floor & anchor and fill the joind with cpox 12. Then carry outabove procedure.

CPOX CPC 500

Solvent free textured floor

Application Methodology

SURFACEPREPARATION

The concrete surface must be dry, sound, free from dust, laitance and other contaminants. Moisture content of the concrete substrate must be less than 4%. Surface must be prepared by manual/ mechanical abrasion. Oil and grease must be removed by washing with liquid detergent or solvent wash. Allow the floor to dry before priming. Old coating if any, must be removed by grinding the surface.

IMPORTANTSURFACECONDITION:

Please ensure the moisture content on the concrete to be less than 5% before priming. Concrete should be sound and minimum M20 grade . Minimum substrate temperatureis 10° C.

Priming

One coat of Conc (P) is
recommended for priming. Approx. 100 to 150 gm of primer will be required depending on the substrate condition and porosity.
For kota stone flooring same primer can be used.
Roughen the surface of conc (P)
with emery paper for better adhesion of top coat.
Laying of top coating can be done after 3- 4 hours (depending on temperature conditions) of application of primer when the surface is nearly tack free.
Note: For application of primer system, please refer to Conc (P) data sheet.
under stirring and mix uniformly at 400-500 rpmfor at least 3 minutes.

Mixing of Cpox CPC 500

Mixing is carried out in a specially designed drum mixer or in a bucket using drilling machine fitted with paddle or suitable stirrer. Initially stir COMP A to avoid any sedimentation. Then to calculated quantity of Comp. A , add P (Colour Paste) and mix it uniformly at 400-500 rpm for at least 3 minutes . finaly add COMP B and mix for 3 minutes.

Health & Safety

Always use protective gloves, respiratory mask and goggles during use. Please contact our technical services department for Material Safety Data Sheet.

Safety Instructions

Please refer our Material Safety Data Sheet.

Self Life

One year in original unopened containers. Do not expose the stored material to direct sunlight. Shall be kept in cool and dry place.

For Further Information, please Contact

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Product Data Sheet

Cpox CPC 500

CPPL/TDS/R128/FLR/20-21/25/02/R2

The information provided in this product data sheet is intended as a general guide only based on our understanding and experience of the products when properly used under normal conditions. The information is given in good faith and owing to variations in actual site conditions which are beyond the control of the company, no liability can be inferred from the information given. Users should determine the suitability of the product for their own particularpurpose by their own tests.