

Selection & Specification Data Sheet

Highly abrasion resistant textured PU floor coating:

Description:

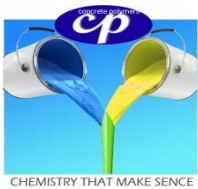
The industry’s work horse floor coating, FCPU 707 (Text) is an aromatic polyurethane based, roll-on floor coating for interior applications. It has excellent adhesion over properly primed surfaces and excellent chemical and abrasion resistance. FCPU 707 is highest abrasion resistance among the contemporary floor coatings available in the country. It is must ideal and economical substitute for a floor coating.

Advantages

- Jointless flooring system
- Unlike floor-coating Cpox FCPU707 is applied in a single application, of desired thickness over a primed surface, resulting in durable and abrasion – resistant flooring.
- An unique formulation of FCPU707 renders the flooring abrasion resistant, capable of a bsorbing impact loads, chemical resistant to various Chemicals . Excellent bond on epoxy and EPU undercoats
- Easy application
- Anti Skid ,
- Choice of attractive colours.
- Very – low wear & tear compared to a floor coating.

Areas of Application

- Cpox FCPU707 is used in areas where heavy duty protection is required against abrasion, chemicals . It finds application in:
- Out door MS structure coating/Cooling Tower.
 - Chimney, Chiller, MS. Pipe or checker plate. Way Marking.
 - Pharmaceutical
 - Electric / Electronics industries
 - Computer rooms
 - Engineering Industries
 - Auto-ancillaries and service stations
 - Laboratories
 - Aerospace and light-engineering industry
 - Picture-tubemanufacturing plants
 - Malls Anti skid,and department stores
 - Fermentation floors in tea garden
 - Way marking/Zebra Marking



Technical Details

Properties: Aromatic urethane
Mixing Ratio:(R:H) 1:1 By Valume
Finish Semi : Glossy
POT LIFE : 60-90 min at 27°C
CURING TIME : Surface dry 25-30 Min.
Track free dry - After 3-4 hours.
Medium weight movement - After 24 Hours.
Full chemical Cure - After 7 days.
Recommended WFT :115 Microns
Colours Also available all RAL Shade if required any special colors we will provide.

| PRODUCT | THICKNESS | MIXING RATIO BY (WETH) | COVERGAE SQMT. |
|-----------------|------------|----------------------------------------------------|----------------------------------------------------------------|
| CONC (P) PRIMER | 75 MICRON | A:B=1:1 | 0.15 KG/SQM. |
| Cpox FCPU707 | 75 microns | Pre-weighed packs with resin, hardener, and colour | Theoretical coverage : 8 – 9 sq m / litre / coat @ 75 microns. |

Performance Data

Tensile strength > 20 – 25 MPa
Elongation ASTM D 638 > 25 – 35 %
Abrasion resistance >20 -30 mg loss
Pull of adhesion Test ASTM D 4541 >2 MPa for M20 Gtrade (Concrete failure or MS Depend upon sufscce MS)

Packaging

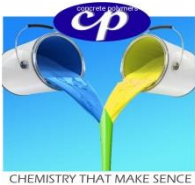
Supplied in 1-20 Kg. pack
Special packs may be available on request.

Application Methodology

Application : By roller / brush Pot Life of Cpox FCPU707 is 60-90 minutes at 30 degree C. Cpox FCPU707 Ensure that the surface to be top coated is smooth,zero levelled and free of any surface impurities.Coating of FCPU707(Text) directly on cured epoxy layer.needs elaborate sanding to create a mechanical key for anchoring. FCPU707 (Text) resin is pigmented. StirIncase of contact with eyes, rinse with plenty of water and seek medical advice. Incase 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

Caution :Where there are out door Metel Steel Cpox FCPU707 should not be done over rusty and dusty suface . clean the surface with wire brush or grinder Then carry outabove procedure.

CPOX FCPU707



Application Methodology

SURFACE PREPARATION

The concrete /MS surface must be dry, sound, free from Dust/Rust, laitance and other contaminants. Moisture content of the concrete /Out door /indoor /MS 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 surface to dry before priming. Old coating if any, must be removed by grinding the surface.

IMPORTANT SURFACE CONDITION:

Please ensure the moisture content on the surface to be less than 5% before priming. surface should be sound and minimum M20 grade . Minimum substrate temperature is 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 rpm for at least 3 minutes.

Mixing of Cpox FCPU707

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 B (Colour Paste) and mix it uniformly at 400-500 rpm for at least 2-3 minutes . finally add COMP C 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

6 month 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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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 particular purpose by their own tests.