



Selection & Specification Data Sheet

Description

Cpox HDS is a self-smoothening, epoxy screed flooring to cover the undulation and laid at a thickness of minimum 1 mm. Cpox HDS is joint less, monolithic, non-porous, hygienic flooring. It is the most ideal and economical for areas subjected to abrasion, movement and areas subjected to mild chemicals and oil spillages.

Advantages

- Jointless flooring system
- Cpox HDS is applied in a single application, of desired thickness over a primed surface, resulting in durable flooring.
- An unique formulation of Cpox HDS renders the flooring abrasion resistant,
- Easy application
- Compatible with Epoxy / PU Top Coats

Areas of Application

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

- 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

MIXED DENSITY : 2.0 kg/ltr approx.  
POT LIFE : 30 min at 25°C  
CURING TIME :  
Foot traffic - After 24 hours.  
Medium weight movement - After 2to3 days  
Full chemical Cure - After 7 days  
SHRINKAGE FACTOR : Nil

PRODUCT	THIKNESS	MIXING RATIO BY (WETH)	COVERGAE SQMT.
CONC (p) PRIMER	75 MICRON	A:B=1:1	0.15 KG/SQM.
Cpox HDS	2 MM	A :B:C 2 :1 :10.5	4.20 KG/SQM.

Performance Data

Compressive Strength >40 N/mm<sub>2</sub> (7 days)  
Flexural Strength > 30 N/mm<sub>2</sub> (7 days)  
Tensile strength (Under tention)>20N/mm<sub>2</sub>(14 days)  
Bond Strength > 2.5 N/mm<sub>2</sub> (Concrete failure)

Packaging

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

Application Methodology

Cpox HDS must be laid immediately after mixing is over.  
The mix should be spread evenly over the recommended area using a steel trowel with notches. Use spike roller with long handle on the floor to remove entrapped air.  
Where there are expansion joints in the sub-floor Cpox HDS should not be done over expansion joints. Cut open the concrete floor & anchor and fill the joint with cpox HDS. Then carry outabove procedure.

# CPOX HDS

All Purpose Epoxy Screed



## Application Methodology

### **SURFACE PREPARATION**

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.

### **IMPORTANT SURFACE CONDITION:**

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 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.

### **Mixing of Cpox HDS**

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 COMP. C under stirring and mix uniformly at 400-500 rpm for at least 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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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 particular purpose by their own tests.