

### SINGLE COMPONENT POLYURATHANE WALL COATING FOR CLEAN ROOMS

#### Description

EP COAT PU1K is a single component, Water dispersed air cured polyurethane wall coating to Form an easily cleaned, aesthetically pleasant finishing.

#### Uses

EP COAT PU1K is designed for coating on interior walls of rooms, where hygiene and cleanliness are critical.

Application areas include:

- Hospitals - wards, operation theatres, intensive care units, burn wards, morgues, etc.
- Clinics, examination rooms.
- Pharmaceutical manufacturing and storage facilities.
- Food processing, storage and packing facilities.
- Abattoirs and fish processing areas.
- Electronic component manufacturing and assembly areas.

#### Advantages

- Single component
- Resistant to algae and fungus growth
- Water tight
- Self-priming
- Washable
- Flexible / Elastic
- Available in colors
- Good Crack Bridging capacity

#### Technical Data

|              |  |
|--------------|--|
| Density      | 1.4±0.1 Kg/ltr                             |
| % Solid      | Approx 55%(may vary with different shades) |
| Touch dry    | 30 minutes at 30°C                         |
| Re-coat time | 4 hours at 30°C                            |
| Full cure    | 7 days                                     |
| Finish       | Satin Gloss smooth                         |

#### Consumption

On a smooth dense surface, each pack of 6 kg will cover approximately 16 m<sup>2</sup> to obtain DFT of approximate 150.microns in two coats. Actual coverage depends on the numbers of coats, surface profile, loss and wastage.

#### Application Instruction

##### Surface Preparation:

Correct substrate preparation is critical for optimum performance. Surfaces should be clean, and free from loose particles, curing membrane or any other contaminant. Oil, grease, mould release agent, curing membrane, and such other contaminants must be removed by mild detergent and water, and by thoroughly scrubbing with a soft brush. If the wall surface is damp or water is seeping out, it is necessary to stop the leakage before coating. For advice on the appropriate method for the site situation, please contact FCSC technical team. It is important to note that the final finish obtained is entirely dependent on the surface finish of the substrate. For a superior finish, fill the substrate surface irregularities such as blowholes, honeycombs, and unevenness etc., using Polymer Putty to obtain a smooth and flat surface. The putty application must be carried out only after priming. If the irregularities are deep.

##### Mixing:

Stir the contents of the container using a Stirrer to homogenize the coating material.

##### Application:

Apply EP COAT PU1K by a medium nap, lamb's wool roller or brush depending on the area and the final finish desired. Apply in two coats, each to a wet film thickness of at least 125 microns, with the second coat applied at right angles to the first and after about four hours interval to obtain a cured dry film thickness of approximately 150 microns. Do not apply the first coat onto freshly placed concrete or mortar until its moisture content falls below 8%.

#### Packaging

EP COAT PU1K is available in 6 kg & 13 kg pails.

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#### Curing

EP COAT PU1K is self-curing. Curing time depends upon the ambient temperature & humidity, the moisture content of the substrate, thickness of film, etc. High temperature and low humidity accelerate the curing process.

#### Note: Over coating Substrate suitability:

For coating on the previously painted concrete/ plaster surface, please conduct a trial to check the system suitability with EP COAT PU1K by applying over painted surface in a small Area .Check for the bonding/finishing of the material with the substrate before going ahead. If the bonding is not good, then contact EP Coat PU 1K technical team for further advice.

#### Specification:

The non-toxic, single component PU coating shall be EP COAT PU1K, a moisture curing, protective coating for walls in interiors. The product shall be formulated to provide smooth, fungus resistant surface. The product shall be self-priming type, damp tolerant and shell free from volatile organic contents. The product shall be designed to be applied in two coats to achieve a dry film thickness of 150 microns.

#### Storage and Shelf life

Store under cover, out of direct sunlight and protect from extremes of temperature. In tropical climates the product must be stored in an air-conditioned environment. Shelf life is 12 months when stored as per above. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advices please consult FCSC Technical Services Department.

#### Safety Precautions

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

#### Disclaimer

Whilst any information contained herein is true, accurate and represents our best knowledge and experience, no warranty is given or implied with any recommendations made by us, our representatives or distributors, as the conditions of use and the competence of any labour involved in the application are beyond our control.