

FloArm Coat PUD

(Formerly known as MYK Coat PUD-MATT)

PU Based Wall & Floor Coating



TECHNICAL DATA SHEET

Product Description

FloArm Coat PUD water based polyurethane resin dispersion specially formulated to provide a durable coating suitable for application to both vertical and horizontal surfaces. It cures to form a smooth hygienic matt film with good resistance to a wide range of mineral and organic acids, fats, alkalis and oils.

Uses

FloArm Coat PUD is used as a hygienic and chemical resistant and UV stable exterior & interior coating for concrete walls, and concrete floors.

- Precast concrete slabs/ Panels
- Concrete and cement-based screed / Plasters
- Cement based Plasters
- Balconies and terraces
- Operation theaters and hygiene rooms
- Industrial areas, Walls
- Showrooms, sales rooms and passage ways
- Outdoor exterior coatings (resistance to UV and weathering)
- Colored Chips.

Features and Benefits

- Excellent adhesion and compatible with all substrates.
- Can be applied directly on to concrete wall and floor surface.
- It is hygienic and aesthetic forms a smooth, matt and easy to clean surface on curing.

Properties:

- Light fast and UV stable
- High chemical resistance
- Solvent VOC free
- Breathable Membrane

Application Method

Preparation:

Surface to be coated must be structurally sound, dry and free from loose material. All surface contamination must be removed. Grease and oil should be grit blasted or water jetted. Deeper penetration must be removed by mechanical means. Any laitance must be removed from concrete surface by suitable means then washed off and dried. New concrete should be allowed to cure for at least 28 days prior to priming. It is essential that FloArm Coat PUD applied to sound clean, dry substrates in order to achieve maximum adhesion between the coating and substrate.

Apply a 5 by 5 ft. test in an inconspicuous area that meet the owner's expectations for appearance, slip resistance and performance. As the Gloss of the clear coat will be totally depends on the porosity of the surface.

Priming:

Priming is recommended only for porous and dusting surface. For recommendation please contact technical cell of MYK Arment.

Mixing:

First thoroughly mixed the individual container of the base, Pigment paste and the Hardener before mixed together. First add the pigment paste into base container, mixed properly, emptied out the all the pigment paste from the container by adding 10-15 ml water.

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Then add entire contents of the hardener in to the container having mixed material (base + pigment paste), (wash the empty hardener can with 25 – 50 ML of water and detain all the quantity. of hardener sticking to the can and add the washed water also in the base container, use decontaminated drinking water for washing) Mix the entire contents for at least 3 minutes mechanically using a slow speed (300 - 500 rpm) heavy duty drill fitted with a mixing paddle mix till homogeneous consistency and color is obtained

Coating:

The mixed FloArm Coat PUD shall be applied to the dry, prepared substrate making sure a continuous film is achieved using a standard paint brush, good quality lamb's wool roller or spray equipment. The optimum dry film thickness of 80 micron is achieved in two coats.

Cleaning:

Tools and equipment should be cleaned with water immediately after use (wet condition) once dry should be removed mechanically.

Technical Data

Basis: - 3 component kit (Base + Hardener +

Pigment Paste)

Pot life: @ 20°C: 1 hrs. @ 30°C: 45 minutes

Time between coats: 4 - 6 hrs. @ 30°C

Initial hardness: 24 hrs. @ 30°C

Tensile Hardness: app 2H (Gouge)

Full cure 7 days @ 30°C

At lower temperatures the curing time will be

extended. Volume solids (mixed material): 41%

Colors: available in following colors: As per PU

shade card

Consumption

Approximately 8 m²/kg @100 microns WFT (40 Micron DFT) each coat. 2 Coats recommended. Hence coverage will be Approximately 4 m² /kg @ 80 Micron DFT in two coats.

However, practical coverage depends on the nature and porosity of the substrate and application conditions. It is always recommended do on site substrate sample application to understand the consumption (Consumption for the porous substrate goes more as compare to the non-porous substrate.)

Packaging

- FloArm Coat PUD: Available in 6 kg packing (Base + Hardener + Pigment Paste)

Storage and Shelf Life

6 months if stored in unopened container below 30°C under shaded area.

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Health & Safety

Some people are sensitive to PU resin systems and may develop dermatitis on skin contact. Gloves and barrier creams should be used when handling primers and FloArm Coat PUD. If contact with the skin occurs, wash with soap and plenty of water. Do not use solvent. Direct contact with the eyes will cause irritation and may cause serious damage if left untreated. Any eye contamination should be washed thoroughly with plenty of water and immediate medical treatment sought. The use of goggles when mixing is recommended. Smoking is to be avoided.

Product Categories Available



Legal Note

The information, and, in particular, the recommendations relating to the application and end-use of MYK Arment products, are given in good faith based on MYK Arment current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with MYK Arment's recommendations. In practice, the difference in materials, substrates and actual site conditions are such that no warranty in respect of merchant ability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. the user of the product must test the product's suitability for the intended application & purpose. MYK Arment reserves the right to change the properties of its products. the proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local product data sheet for the product concerned, copies of which will be supplied on request.