

# FloArm Coat PUD MATT

(Formerly known as MYK Coat PUD-MATT)

PU Based Wall & Floor Coating



## TECHNICAL DATA SHEET

### Product Description

FloArm Coat PUD MATT 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 Matt 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 screed
- Cementitious Plaster
- Walls in operation theaters and hygiene rooms
- Industrial environment subject to chemical and physical abuse – Walls & Floors
- Commercial buildings, Walls & Floors
- Outdoor exterior coatings (resistance to UV and weathering)

#### 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.
- Light fast and UV stable
- High chemical resistance
- Low VOC
- Breathable Membrane

### Application Methodology

#### Step no 1:

**Surface Preparation - Floor:** Please refer TDS of SL1.

#### Surface Preparation - Wall

Hand grind the plaster to ensure a smooth and sound surface. Porosity in the plaster may require one extra coat to have a proper finish.

#### Step no 2: Priming:

The concrete surface after proper and thorough surface preparation has to be primed with appropriate primer such as FloArm Primer 1260 for Floor; for a plaster wall one additional coat of PUD i.e., Self priming coat of PUD. The primer is a solvent free resin system. It is designed for better adhesion with the substrate and the flooring system. The primer should be mixed in the given proportions supplied. The entire contents of the hardener should be poured into the base and should be mixed using a low speed drill machine with an attachment for about 3 minutes @ (150-200 RPM) to get a homogeneous mix. Once mixed, the primer should be applied immediately on to the prepared concrete surface. After priming, the surface has to be kept for drying - approximately 8-12 hrs. For more information refer Primer TDS.

#### Step no 3: Product Mixing:

First thoroughly mix the individual container of the base, Pigment paste and the Hardener before mixing the entire material together. Add the pigment paste into base container, mix properly, empty out the all the pigment paste from the container by adding 10-15 ml water.

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 MI of water and decant all the quantity. of hardener remaining to the can and add the washed water also in the base container, use clean water for washing). Mix the entire contents for at least 3 minutes mechanically using a slow speed (200 - 300 rpm) heavy duty drill fitted with a mixing paddle mix till homogeneous consistency and color is obtained.

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### Step no 4: Product Application

#### Coating:

The mixed FloArm Coat PUD shall be applied to the cured primed substrate in 2 coats till a uniform continuous film is achieved using a standard paint brush, good quality lambswool roller or spray equipment. Approximately 80 microns dry film thickness is achieved in two coats of application.

#### 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 @ 30°C	1 hrs 45 minutes
Time between coats:@ 30°C	4 - 6 hrs.
Initial hardness:. @ 30°C	24 hrs
Tensile Hardness:	Approx 2H (Gauge)
Full cure @ 30°C	7 days
Volume solids (mixed material):	41%

Colors: As per shade card

### Consumption

Approximately 100-125 gm/Sq m/Coat depending on surface quality. 8 m<sup>2</sup>/kg @100 microns WFT (40 Micron DFT) each coat. 2 Coats recommended. Hence coverage will be Approximately 4 m<sup>2</sup> /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 Matt: 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.

#### Temperature Limitations:

Minimum application temperature: 15°C. For temperatures below 15°C and above 40°C, please contact MYK Arment Technical Cell.

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### Health & Safety

During mixing and application the following precautions should be observed: Ensure adequate ventilation and avoid contact of the material with the eyes, nasal passages, mouth and unprotected skin. Avoid contact with the hands by wearing protective gloves and by using, if necessary, a suitable barrier cream. In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice and after contact with the skin wash immediately with plenty of soap and water. Prolonged contact with the skin should be avoided, especially where the user has an allergic reaction to resin-based materials. Always wear gloves and eye/face protection as necessary. Observe personal hygiene, particularly washing the hands after work has been completed or at any interruption whilst work is in progress. Care should be taken when removing gloves to avoid contaminating the insides. In case of accidents seek medical advice.

### 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.

MYK Arment Private Limited  
8-2-703/A, 3rd Floor, Leela Gopal Towers, Road No. 12, Banjara Hills, Hyderabad -500 034  
Tel: +91 40 6816 0001 | Email: myk@mykarment.com | www.mykarment.com

