

FloArm Coat PU1K

(Formerly known as MYK Coat PU1K)

Single Component Polyurethane Wall coating for Clean rooms



TECHNICAL DATA SHEET

Product Description

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

Uses

FloArm 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.

Features and Benefits

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

Application Methodology

Step no 1: 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 MYK Arment 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.

Step no 2: Mixing:

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

Step no 3: Application:

Apply FloArm 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%.

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Curing:

FloArm 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.

Technical Data

Density	1.4 ± 0.1 kg/liter
% solids	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

Note: Over coating Substrate suitability:

For coating on the previously painted concrete/ plaster surface, please conduct a trial to check the system suitability with FloArm 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 MYK Arment technical team for further advice.

Specification:

The non-toxic, single component PU coating shall be FloArm 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.

Consumption

On a smooth dense surface, each pack of 6 kg will cover approximately 16 m² to obtain DFT of approximate 150.microns in two coats. Actual coverage depends on the numbers of coats, surface profile, loss and wastage.

Packaging

FloArm Coat PU1K is available in 6 kg & 13 kg pails.

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 MYK Arment Technical Services Department.

Health & Safety

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and food stuffs (which can also be tainted with vapour until product fully cured or dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek Immediate medical attention.Keep away from children and animals. Reseal containers after use. Do not reuse containers for storage of consumable item. For further information refer to the material safety data sheet.

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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.