FloArm Coat ARC Floor

(Formerly known as MYK COAT ARC-FLOOR)

Acid Resistant Epoxy coating for Floor Topping

TECHNICAL DATA SHEET

Product Description

An acid resistant, room temperature cured, 100% solids, epoxy coating

Uses

Ideal coating for chemical storage tanks, and containment areas where chemical resistance to acids is needed .

Features and Benefits

- Superior resistance to concentrated acids
- Applies with brush or roller
- Excellent adhesion to concrete surfaces
- Concrete by chipping, scarifying, shot blasting.

Application Methodology

Step no 1 : Surface Preparation:

For METAL SURFACES, use a wire brush or sand paper to remover rust and scale from the surface to be protected. Surfaces may be shot blasted or abraded using a wire wheel for best results. All dirt, grease, and old paint should be removed. All clean dry surfaces are essential for the best results. Begin with a sound, clean, dry and roughened, oil-free application surface, as it is essential to the success and performance of this product.
For NEW POURED CONCRETE, allow to fully cure (28 days @ 27°C) prior to application. Remove any curing membrane by sanding or etching with a strong detergent; otherwise, etch surface with environmentally safe acid etch.
For OLD CONCRETE, thoroughly clean surface with a grease-cutting detergent to remove grease and oils, and remove any loose or unsound concrete by chipping, scarifying, shot blasting, sanding, or grinding. Proceed as for new poured concrete.
For PREVIOUSLY COATED CONCRETE, applications should be considered short term because the coating system is only as strong as its weakest component. Remove any peeling or degraded paint by sanding or using a paint stripper. For intact paint, thoroughly clean the surface with a strong detergent, and then lightly sand to remove any gloss. Treat any areas worn down to the original concrete as bare concrete

Step no 2 : Primer application:

Prime the Concrete surface with FloArm Primer EP / FloArm Primer 1260 and cure it for 24 hrs

Step no 3 : Mixing Instructions:

1. Pour Colour paste completely into the base container, Mix properly, and then add the hardener into container.
2. Mix for about three(3) minutes using a with slow speed drilling machine fitted with a mixing paddle (or equivalent) until a completely homogeneous mix is obtained.

Step no 4 : Application Instructions:

PRIOR TO APPLICATION:
1.Fill large holes with an Epoxy patching compound
2.Prime floor surface with FloArm Primer EP and prevent “out gassing.” After 24 hrs of primer coat, can be top coated with FloArm Coat ARC Floor.

For Floor Application:

The material once mixed should be used within its specified pot life; the material is poured on to the primed surface and spread it to the required thickness with a notched steel trowel, care should be taken not to over work the resin, spreading evenly after spreading. Immediately the floor should be firmly rolled with a spiked nylon roller to help release any entrapped air in the material and help level any slight troll marks.

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The rolling should be carried out using a “back and forth’ technique along the same path. It is suggested that during Low temp season do the more rolling to remove the entraped air. An overlap of 50% with adjacent paths is recommended.

Cleaning:

FloArm Clean PU immediately after use.

Technical Data

Colour	1605 red oxide(Unstable)
% Solids by Volume	100%
Mixed Density	Approx. 1.16 gms/ml
Pot Life @ 27ºC	Approx. 15 minutes
Application Temperature	20 to 30ºC
Minimum Recoat Time @ 27ºC (Depends on the temperature)	6-8 Hrs
Initial Cure Time	24 hrs @ 30ºC
Full cure time (chemical resistance)	10 days
Cured Hardness (Shore D) (ASTM D 2240)	Approx. 80
Flexural Strength	30 N/mm2
Compressive Strength	65 N/mm2

Chemical resistance as per ASTM D1308 (Spot/immersion)

Please refer chemical resistance chart

Above Technical data should be considered representative or typical only and should not be used for specification purposes.

Consumption

Pack of 4.0Kgs for floor: 3.5 M² @ 1mm thick for a pack of 4.0Kgs (However, practical coverage depends on the nature and porosity of the substrate and application conditions. To understand practical coverage, always do on site substrate sample application). Higher thickness to be recommended where conc. Acid exposure is expected.

Packaging

4.0 kg pack (Base colour paste + Hardener)

Storage and Shelf Life

12 months if stored in cool dry place under shaded area and if unopened sealed pack.

Health & Safety

FloArm Coat ARC Floor should be applied with gloves and care should be taken to see that it does not fall on skin or eyes. Splashes on to eyes have to be immediately washed with plenty of clean water and medical advice has to be taken.

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Product Categories Available

Legal Note

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