

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

Application Method

Surface Preparation:

For METAL SURFACES, use a wire brush or sand paper to remove 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 or 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

Primer application:

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

Mixing Instructions:

1. Pour Colour paste completely into the base container, Mix properly, 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.

Application Instructions:

PRIOR TO APPLICATION:

1. Fill large holes with an Epoxy patching compound
2. Prime floor surface with FloArm Primer EP and prevent "outgassing." After 24 hrs of primer coat, can be top coated with FloArm Coat ARC Floor.

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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 trowel marks. 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 entrapped air. An overlap of 50% with adjacent paths is recommended for a 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.

Technical Data

Colour: 1605 red oxide(Unstable)

% Solids by Volume: 100 %

Mixed Density: Approx. 1.16 gms/ml

Pot Life @ 27 °C: Approx. 15 minutes

Application Temperature: 20 to 30 °C

Minimum Recoat Time @ 27 °C: 6-8 Hrs

(Depends on the temperature)

Initial Cure Time: 24 hrs @ 30 °C

Full cure time (chemical resistance):10 days

Cured Hardness (S hour D): approx. 80 (ASTM D 2240)

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

4.0 kg pack (Base colour paste + Hardener)

Cleaning:

FloArm Clean PU immediately after use.

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

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.