FloArm Coat ARC Wall

(Formerly known as MYK Coat ARC Wall)

Acid Resistant Epoxy coating for Wall

TECHNICAL DATA SHEET

Product Description

An acid-resistant, room-temperature cured epoxy coating

Uses

Ideal coating for walls where general chemical resistance is required and containment areas where chemical resistance to acids is needed.

Features and Benefits

- Very smooth to apply
- Superior resistance to concentrated acids
- Applies with brush or roller
- Excellent adhesion to concrete surfaces

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 Wall, 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 etches.

For OLD Wall, 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 Wall, 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

Step no 2: Primer application

Generally, primer is not required for the wall application if the surface is well sound, but if the surface is porous, then Prime the wall surface with FloArm Primer EP / FloArm Primer 1260 and cure it for24 hrs.

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 24hrs of primer coat, can be top coated with FloArm COAT ARC-Wall.

Step no 3 : Mixing Instructions

1. Pour Colour paste completely into the base container, Mixes 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.

Step no 4: Wall Application:

The material once mixed should be used within its specified pot life; the material is to transfer immediately into other container and immediately start to applied by Brush / Medium napped roller should be firmly rolled the rolling should be carried out using a “back and forth’ technique along the same path. An overlap of 50% with adjacent paths is recommended Second coat to be apply after overnight. If required for recommended thickness, go for further over coating for required thickness and proper achievement of chemical resistance. FloArm Coat ARC-Wall produces a smooth finish, which can be slippery, especially when wet. To prevent slipping, add a non-skid aggregate if necessary.

Cleaning:

Tools and equipment should be cleaned with FloArm Clean PU immediately after use.

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Technical Data:

Color	0222 MYK Grey (Unstable)
Pot Life @ 27ºC	30 minutes
Mixed Density @ 27ºC	Approx .1.40 gms/cc
Application Temperature	20 to 30 ºC
Minimum Recoat Time @ 30ºC	6-8 Hrs (Depends on the temperature)
Initial Cure Time	24 hrs @ 27 ºC
Full cure time (chemical resistance)	10 days
Cured Hardness (Shore D) (ASTM D 2240)	Approx. 80

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

Chemical Resistance:
Chemical resistance is calculated with a 7day, room temp. cure (24 hrs. spot test @ 27°C) (ASTM D 1308)

FOR INDUSTRIAL USE ONLY	
Acetic acid (Dilute) 10 %	Poor
Cutting Oil	Excellent
Gasoline (Unleaded)	Excellent
Hydrochloric acid 36%	Good (Spotting) (Decolouration)
Methanol	Poor
Methyl Ethyl Ketone	Poor
Methylene Chloride	Poor
Nitric acid 10%	Fair
Phosphoric Acid 50%	Excellent
Potassium Hydroxide 40%	Very good
Sulfuric acid 10%	Good (Dark red spot) (Decolouration)
Sulfuric acid 50%	Good (Dark red spot) (Decolouration)
Toluene	Excellent

Consumption

Coverage will be 5.8 M² / 3.5 kg pack @ 600 gms in two coats. In two coat it will achieve 400 microns DFT. 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 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 Wall 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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