

FloArm Coat ZP

(Formerly known as MYK Coat ZP)

Zinc Rich Epoxy Primer

TECHNICAL DATA SHEET

Product Description

FloArm Coat ZP is a two component system based on metallic Zinc and Epoxy resin system.

General

FloArm Coat ZP is a two-component anti-corrosion primer for reinforced steel in concrete as well as structural repair. it actively resists corrosion within the confines of the repair location.

Uses

Used as a primer on reinforced bars for anticorrosive system and in concrete repairs
Also, can be used on exterior surfaces as a coating of

- Machinery,
- Fertilizers tanks,
- Metal Structural girders,

Features and Benefits

- Zinc rich system combats corrosion by electrochemical
- Permanent protection to the steel structure
- Excellent adhesion and flexibility to steel
- Time Saving-touch dry after 35 to 40 Minutes
- Exhibits excellent bond strength in cementitious

Application Methodology

Substrate Requirement:

Any bare MS metal surface, free of any corrosion, old painting, lamination etc, Metal substrate should have design load bearing capacity in case of structural.
If any mild corrosion on surface, should be removed by mechanical or chemical by rust remover or rust convertor.

Step no.1: Surface preparation:

For Optimum service life, The surface must be completely free from all contaminants that might impair performance and should be treated as such to assure good and permanent adhesion of primer and subsequent system. Metal surface preparation includes primary and secondary surface preparation. Primary surface includes, removing of mill scale, rust corrosion and foreign matter on surface. Secondary surface preparation includes removal of rust, foreign matter that has been already coated one. All rust scale, heavy chalk, deteriorated coating must be removed by applying rust remover, hand power tools, abrasive blasting followed by water washing, Wide metal surface should be prepared up to SA2.5 near to white metal cleaning as per ISO 8501-1.
For small and critical surface can be coated with FloArm Rust convertor after mechanically abraded surface and removing of loose rust.

Corroded steel shall be fully exposed and all loose scale and corrosion deposits shall be removed. The corrosion due to presence of chlorides on the steel should be

cleaned with water at very high pressure and allowed to dry before application.

Step no. 2: Mixing:

Before mixing, the contents of both the base and hardener have to be thoroughly stirred to disperse any settlement which may occur during storage. The entire contents of the hardener have to be mixed into the base and mix mechanically at approx 300 rpm with a paddle arrangement for about 3 Minutes until a homogeneous mix is obtained.

Step no. 3: Application:

The application of FloArm Coat ZP must take place as soon as possible over the dry steel surface, It can be applied by brush, roller or spray. The over coating period is 30-60 Min subjected to temperature condition. The primed surface should not be exposed to the elements for a longer period before over coating. The application of concrete repair products should proceed as soon as the Coating is fully dried (45 - 60Min)

Precaution:-

FloArm Coat ZP is solvent based system, need to take care of personal protective equipments and proper ventilation during application.

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Epoxy Zinc Rich Primer



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Specification :

The metal surface shall be coated with FloArm Coat ZP for providing for electrochemical, active galvanic and self-sacrificing anticorrosive repair coating system

Technical Data

Type	Two pack cold cure
Application	Brush, roller, spray
Finish	Matt
Mixing Ratio	3:1 by Volume
Mixed density	Approx. 1.60 gm/cc
Surface Drying time	10- 60 minutes @ 30°C
Tack free :	1-3 Hrs @ 30°C
Hard Dry :	15-18 Hrs @ 30°C
Scratch Hardness (IS-101)	2 Kgs
Salt Spray:	300 Hrs
Pot Life :	6-8 Hrs @23°C
	2-4 Hrs@30°C
Overcoat	16-24 hrs.
Application rate for repair	6.5 sqm / kgs
For new surface by spray	6.5 to 12 sqm per liter
Application Temp	+10°C to +35°C

Cleaning:

Clean all tools and equipment with cleaning agents immediately after use

Consumption

FloArm Coat ZP will give coverage of 6.5 sqmtrs per Kg for a DFT of 50 Microns.

Packaging

Supply: 1.6 Kg and 6.4 Kg

Storage and Shelf Life

12 Months from the date of manufacturing if stored in cool dry place under shaded area and if unopened sealed pack condition surface after completion of the preparation work. Use a suitable brush; apply one full

Health & Safety

Use of hand gloves is necessary while mixing the product in case of contact with skin or eyes, use plenty of water to wash and obtain medical helps immediately.

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.

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