

# ReArm Coat EP

(Formerly known as MYK Coat EP 4100)

Epoxy Resin Tank and Surface  
Lining Material



## TECHNICAL DATA SHEET

### Product Description

ReArm Coat EP is an Epoxy Resin based solvent free specially formulated high build protective, durable thixotropic coating suitable for application for both vertical and horizontal surfaces. It cures to form a smooth hygienic film with good resistance to a wide range of mineral and organic acids, alkalis, fats and oils.

Colour: Green (Non-stable).

#### Uses

A hygienic and chemical resistant coating for brick and concrete walls, concrete and metal tanks, sluices and ducts .

#### Features and Benefits

- High Chemical Resistance
- Excellent adhesion
- Compatible with all substrates .
- Can be applied directly on to mild steel and concrete Hygienic & Aesthetic
- Forms a smooth, glossy and easy to clean surface on curing Abrasion resistant
- Exceptional resistance to abrasion and to a wide range of chemicals .
- Smooth glossy and easy to clean
- Chemical resistant
- Proven against a wide range of industrial chemicals

### Application Methodology

#### Step no 1 : Surface Preparation:

Surface to be coated must be structurally sound, dry and free from loose material. All surface contamination must be removed. Grease and oil should be grit-blasted or water jetted. Deeper penetration must be removed by mechanical means. Any laitance must be removed from concrete surface by acid etching then washed off and dried. New concrete should be allowed to cure for at least 28 days prior to coating. Steel surfaces should be shot blasted to a profile of 125 microns.

#### Step no 2 : Priming Concrete:

All concrete surfaces should be primed using FloArm Primer EP, a two-pack epoxy resin primer supplied in reweighed quantities ready for mixing. It is mixed in the proportions supplied and brushed in a thin continuous film over the concrete surface. Unlike ReArm Coat EPhigh build surface protective coating, the primer may be applied to a damp surface. The primer should be allowed to be cured for 4- 6 hours at 30°C before applying ReArm Coat EP high build surface protective coating. The usage life after mixing is 30 minutes at 27 °C.

#### Step no 3 : Product Mixing:

The small can of hardener is completely emptied into the large can of resin and the components thoroughly mixed until a uniform color is achieved. It is recommended that mechanical mixing is employed by using a stirrer in a heavy duty slow speed electric drill fitted with a mixing paddle.

#### Step no 4 : Coating

ReArm Coat EPhigh build surface protective coating is applied to the primed substrate by nylon brush and finally smoothened out using a steel trowel. A continuous coating of uniform thickness should be obtained. Normally 2 coats of ReArm Coat EP high build surface protective coating should be applied @ 250 microns/coat.

#### Cleaning

Tools and equipment should be cleaned immediately after use with ReArm Coat EP.

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## Chemical Resistance Chart

The results with some common chemicals using ReArm Coat EP high build surface protective coating film totally immersed for 1 year at 30°C.

Ammonium hydroxide 30% S

'Attack' refers to any etching or swelling observed but ignores

Caustic soda 50%	R
Citric acid 50%	R
Detergents	R
Fatty acids (higher)	S
Hydrochloric acid 20%	R
Lactic acid 10%	R
Nitric acid 10%	R
Oil, Mineral acid	R
Petrol	R
Sodium Hypochlorite 10%	S
Sulphur acid 20%	R
Water	R
Key	R

R: Resistant

S: indicates slight attack under continuous immersion

### Dis colouration.

Where chemicals at temperatures higher than ambient are involved, it may please be referred to MYK ARMENT.

## Technical Data

Pot life	30 min at 27°C
Cure time	Tack free after 6 hours @30°C
Initial hardness	24 hours at @30°C
Full cure	7 days at 30°C

## Packaging

ReArm Coat EP is available in 12 kgs packing Coverage 12 kg pack of ReArm Coat EP will cover 32 m2 @ 250 microns thickness/coat. 2 Coats recommended.

\* The practical coverage may vary depending on the application Thickness and surface porosity of the substrate.

## Storage and Shelf Life

12 months when stored under normal warehouse conditions in unopened containers (under shaded and dry area.

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Two Component Flexible Crack  
Bridging Waterproof Coating



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### Health and Safety

Some people are sensitive to epoxy resin systems and may develop dermatitis on skin contact. Gloves and barrier creams should be used when handling primers and ReArm Coat EP if contact with the skin occurs, wash with soap and plenty of water. Do not use solvent. Direct contact with the eyes will cause irritation and may cause serious damage if left untreated. Any eye contamination should be washed thoroughly with plenty of water and immediate medical treatment sought. The use of goggles when mixing is recommended. Smoking to be avoided

#### Fire:

ReArm Coat EP is flammable. Ensure adequate ventilation when using primers and solvents and do not use near a naked flame.

### 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.