

# FloArm ERM

(Formerly known as MYK INDUFLOOR ERM)

Epoxy Repair Mortar



## TECHNICAL DATA SHEET

### Uses

FloArm ERM is used

- For production coved fillets
- As a heavy-duty repair mortar for voids in concrete and cement-based screed surfaces e.g. on concrete roadways, ramps, industrial floors etc.

### Features and Benefits

FloArm ERM is a three-component filled epoxy Resin mortar with the following properties:

- Solvent free
- High compressive and flexural strength
- High resistance to mechanical loading.

## Application Methodology

### Step no 1: Surface Preparation:

The area to be treated must be:

- Dry, firm, sound and have a good grip
- Free from separating and adhesion inhibiting Substances such as dust, laitance, grease, rubber marks, paint residue and similar.
- Protected from moisture ingress from the rear.

Use suitable means to prepare the substrate dependent on its condition such as e.g. shot blasting, scabbing, planning, grit blasting, brushing, sweeping, vacuuming, high pressure water jetting, pressure washing. In addition, the following criteria are to be fulfilled dependent on the substrate.

### Step no 2 : Product Preparation:

Components A (resin) and B (hardener) and component C(Filler) are delivered in a predetermined mixing ratio. Tip component B into component A, Ensure that the harder drains completely from its container. Mixing the components upto homogeneous, mass, add component C filler slowly to the mixed while mixing process is on till you get a completely uniform mixed material. Mixing to be carried out with suitable mixture, having Approx. 300 rpm Mixed material to be spread evenly in the desired coverage area. The minimum temperature during mixing should be +15°C. Do not use mixed material directly from the packaging.

**Step no 3 : Application:** - Evenly apply primer FloArm Primer 1260 to damaged areas. Consumption: approx. 200-300 g/m<sup>2</sup> per coat. Actual consumption will depend on the site condition.

**Repair of Damage and Voids in Concrete:** Apply FloArm ERM to the voids over the wet primer in one application, compact and strike off level with the surface.

### Production of Coved Fillets:

In one application, apply FloArm ERM to the primed area to be coved whilst the primer is still wet, compact and strike off level with the surface. Cove radius: approx. 3 - 5 cm. Consumption: approx. 1.8 kg/m (with a cove radius of approx. 5 cm).

### Cementitious Substrates:

Concrete quality min	C20/25
Screed quality min	EN 13813 CT-C25-F4
Age min	28 days
Tensile adhesion strength min	1.5 N/mm <sup>2</sup>
Residual moisture	< 4% (carbide hygrometer method)

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### Technical Data

Basis	Three component epoxy resin
Color	Natural sand color
Viscosity	Mortar
Mixed Density	Approx. 2.00 g/cm <sup>3</sup>
Pot life	Approx. 40 minutes at +23°C
Application temperature Min Max	Approx. +10° C Approx. +30° C
Traffic after	Min. approx. 16 hours at +23° C
Overcoat	Approx. 16 to 24 hours at +23°C
Fully cured	7 days at +23°C
Min cure temperature	+8° C
Compressive strength (IS 9162)	Approx. 60 N/mm <sup>2</sup>
Flexural strength (IS 9162)	Approx. 20 N/mm <sup>2</sup>
E-modulus	Approx 16,000 N/mm <sup>2</sup>
Tensile adhesion strength (IS 9162)	> 1.5 N/mm <sup>2</sup> (concrete failure)

### Consumption

Approx. 2.0 kg/m<sup>2</sup>/mm thickness

Evenly apply FloArm ERM to damaged areas.

Consumption: approx. 200-300 g/m<sup>2</sup> per coat.

Actual consumption will depend on the site condition.

### Packaging

- FloArm ERM is available in 24 kg pack
- Components A and B are delivered in a predetermined mixing ratio.

### Storage and Shelf Life

12 months when stored in a dry and cool place above +10C in the original unopened packaging.

### Annotation

- Higher temperatures shorten the pot life. Lower temperatures increase the pot life and curing time. Material consumption is also increased at lower.
- The bond between the individual coats can be heavily Impeded through the influence of dampness or contamination between the applied coats
- When longer waiting times occur between from application of the coats or where surfaces already treated with liquid resin must be re-coated after a long time, the surface must be well cleaned and abraded, after which a completely new closed-pore coating should be applied. It is not sufficient simply to overcoat.
- Surface protective systems must be protected for approx.4 - 6 hours from dampness after application (e.g. rain, melt water). Dampness produces a white discoloration and/or stickiness on the surface and can impede the cure. Discolored and/or sticky Surfaces should be taken off e.g. by abrading and renewed
- Applications that are not clearly explained in this technical data sheet may only be carried out after consultation with and written confirmation from the Technical services Department of MYK Arment.
- Cured product residues are to be disposed of under the waste disposal code 57123 "Epoxy resin"

### Cleaning:

Thoroughly clean tools immediately after use with FloArm Tool Clean - 1.



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### Health & Safety

Once cured FloArm ERM is harmless. The hardener (component B) is corrosive. When using this product, the government health and safety protective directive, datasheet M 023, should be observed as well as the advice on the packaging.

### 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.

MYK Arment Private Limited  
8-2-703/A, 3rd Floor, Leela Gopal Towers, Road No. 12, Banjara Hills, Hyderabad -500 034  
Tel: +91 40 6816 0001 | Email: [myk@mykarment.com](mailto:myk@mykarment.com) | [www.mykarment.com](http://www.mykarment.com)