

# FloArm Primer EP

(Formerly known as MYK Indufloor EP)

Solvented Epoxy Resin Primer



## TECHNICAL DATA SHEET

### Product Description

FloArm Primer EP is a two component resin based solvent based epoxy resin primer with good penetrating properties for dense concrete surface.

#### Uses

- For priming concrete substrates, that will be coated with epoxy self levelling, Epoxy coating and epoxy screeds.
- For sealing cement based surfaces in production areas, warehouses and ramp areas
- Primer for the Arment floor resin systems.
- Binder for levelling mortars and mortar screeds

#### Features and Benefits

- Solvented base
- Low viscosity
- Good penetrating property in concrete
- Excellent bond strength
- Easy application
- Short waiting times
- Watertight
- Resistant to dilute alkalis, acids, aqueous salt solutions, lubricants

### Application Methodology

#### Substrate requirement:

The substrate must be clean, dry & free of all contaminates having preferably the following properties

- Concrete quality: min. C20/25
- Screed quality: min. EN 13813 CT-C25-F4
- Age: min. 28 days
- Pull out strength = 1.5 N/mm<sup>2</sup>
- Residual moisture < 4.0% (carbide hygrometer)

#### Step No.1: Surface Preparation

All previous floor coating if any must be mechanically removed to the maximum extent possible. It is acceptable to relay on floor coating that has a firm bond (pull out strength of 1.5 N/mm<sup>2</sup>).

Concrete substrates must be prepared mechanically using abrasive blast cleaning, scarifying or grinding equipment to remove cement laitance and achieve an open textured surface. Weak concrete must be removed and surface defects such as blowholes and voids must be fully exposed.

Repairs to the substrate, i.e., filling of blowholes/voids and surface leveling must be carried out using appropriate repair product. All dust, loose and friable material must be completely removed from the surface before application of the product, preferably by brush and/or vacuum. Ensure moisture content of the concrete surface is below 4 % - no rising moisture according to ASTM D 4263 (Polythene Sheet Method) and above 3 deg C dew point.

#### Step no.2: Mixing

Components A (resin) and B (hardener) are supplied in a predetermined mixing ratio. Pour component B into component A. Ensure that the hardener drains completely from its container. Mixing of the components is to be carried out with a suitable mixer at approx. 150-200 rpm (e.g. drill with paddle). It is important to also stir from the sides and the bottom to ensure that the hardener is evenly dispersed. Stir until the mix is a homogenous mix, standard mixing time is 3 minutes. The minimum temperature during mixing should be +15° C.

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Ensure that the mixing container is clean dry and free from any foreign particles.

### Step no.3: Method of Application / Consumption

Make sure that a continuous pore free coat covers the substrate. If necessary, apply two priming coats. Apply FloArm Primer EP by brush, roller or squeegee.

Coating System	Product	Consumption
Priming	FloArm Primer EP	0.30 - 0.4 kg/m <sup>2</sup>

Notes:

- Overcoat the primed area after minimum of 24 hours.



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### Technical Data

Base	Two component epoxy resin
Colour	Transparent brown
Mixed Viscosity, at +25°C	Approx. 500 ± 100 mPas
Mixing ratio, parts by weight	100:50
Mixed Density	Approx. 1.05 - 1.15 g/cm <sup>3</sup>
Pot life, at +30° C at +20° C	Min. 30 minutes Min. 90 minutes
Application Temperature	Min. approx. +10° C Max. approx. +30° C
Foot traffic after, at +27°C (ASTM C722)	Min. 24 hours
Overcoat after, at +27°C (ASTM D 1640)	Min. 24 hours
Fully cured, after at +27°C (ASTM C 722)	Approx. 7 days
Min. cure temperature	+10° C
Bond strength @ 7 days at +27°C (ASTM D4541-95)	1.5 N/mm <sup>2</sup> (concrete failure)

### Consumption

300 - 400 g/m<sup>2</sup> per coat (recommended consumption may vary depending upon the substrate conditions)

### Packaging

FloArm Primer EP is available in 5 kg containers. Components A and B are delivered in a predetermined mixing ratio.

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#### Storage and Shelf Life

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

#### Note

- Higher temperatures shorten the pot life. Lower temperatures increase the pot life and curing time. Material consumption also increases at lower temperatures.
- The bond between the individual coats can be heavily impeded through the influence of dampness or contamination between the applied coats.
- Due to some reason, if waiting times between different coats increases or if the surface applied with liquid resin is left unattended for long time then the surface must be well cleaned and abraded before the next coat.
- Protect surface protective systems from moisture (e.g. rain, melt water) for approx. 4-6 hours after application. 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.
- Cured product residues are to be disposed of under waste disposal classification 57123 "Epoxy Resin".

#### 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.