

# AquaArm Ultra Primer

(Formerly known as MYK INDU PRIME EPW 44)

2-part Water dispersed Epoxy Primer



## TECHNICAL DATA SHEET

### Product Description

AquaArm Ultra Primer is a two part Epoxy resin based solvent free primer. It is water dispersed VOC free primer cum sealer for concrete surface.

### Uses

As a primer and adhesion promoter on properly prepared surfaces like,

- Moist / Damp Concrete
- Hardened concrete / Cementitious screed
- As a primer for FloArm Cempo Series Product
- As a primer for PU & Acrylic range of waterproofing products
- As an industrial dust suppressant and sealer for warehouse and factory floors where colour is not critical.

### Features and Benefits

- Easy to mix and easy to apply
- Suitable for high absorbent as well as dense surfaces
- Can be applied in unventilated area
- No solvent smell,
- Good bond strength
- Eco friendly and Non toxic

### Application Methodology

#### Surface Requirement:

The concrete substrate must be sound and of sufficient design compressive strength (minimum 20 N/mm<sup>2</sup>) with a minimum pull off strength of 1.5N/mm<sup>2</sup>.

- Concrete Quality : Min. M20/25
- Age : min. 28 days

Very Important: The substrate can be damp but must be free of standing water (no puddles!). Ensure SSD condition before applying. Do not apply on dry surface.

#### Step no 1: Surface Preparation:

Correct substrate preparation is critical for optimum performance. Surfaces should be clean, and free from loose particles, curing membrane or any other contaminant. Oil, grease, mould release agent, curing membrane, and such other contaminants must be removed by mild detergent and water, and by thoroughly scrubbing with a hard / stiff brush. Surface to be cleaned up to the open texture concrete surface. High spot of can be removed by grinding. After grinding surface to be rubbed with the Wire brush to open the voids and anchoring the primer. Before application of the primer, the loose dust to be removed by vacuum dust collector. For advice on the appropriate method for the site situation, please contact MYK Arment technical team.

#### Step no 2: Product Mixing:

Stir the contents of the both container (Base and hardener) before use and make homogenize the material in the container with suitable mixing paddle. Then add hardener into the base containing container, and mixed for 2 minutes till the mix mass is homogeneous using suitable paddle under slow RPM, using low speed electrical stirrer.

#### Curing:

AquaArm Ultra Primer is self-curing. Curing time depends up on the ambient temperature & humidity, the moisture content of the substrate, thickness of film, etc. High temperature and low humidity accelerate the curing process.

Over coating / Waiting time for TMB system application FloArmCempo series, once the primer AquaArm Ultra Primer is applied, Wait for tacky condition of apply coat.

#### Step no 3: Product Application:

Apply one coat of AquaArm Ultra Primer by a medium nap brush / Fleece Roller / Rubber Wiper. It is to be spread as per the coverage only.

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### Technical Data

Base	White Emulsion liquid
Hardener	Yellowish to brown low viscous liquid
Mixed color	Yellowish white Emulsion
Mixed Density	1.03 ± 0.02 kg/liter
Mixed Solid content	Approx. 20 +/- 2%
Bond strength, (ASTM 4541-95)	1.5 N/mm <sup>2</sup> (Concrete failure)
*Pot Life, at +30°C	30 – 45 minutes
Min. Cure Temp of substrate	+ 10°C
Set To touch time at +27°C (ASTM D 1640)	Within tacky surface, Approx. 10 to 30 minutes,
Application Temperature	Min: +5°C, Max: +42°C
Service temperature	Min: -10°C, Max: +45°C

### Pot Life:

Mixed product to be apply within 30 – 45 minutes after the mixing of base and hardener depending on the temperature. if the mixed mass is above 45 minutes old, please discard the material and for further application use fresh mixed material even if easy flowing nature / workability remains after 45 minutes. (as visible pot life is not possible in this product).

### Coverage

0.20-0.40 kg/m<sup>2</sup>/coat depending on surface porosity and the total pack coverage will be 12 to 23 m<sup>2</sup> (4.5 kgs pack) composite kit pack.

This figure is theoretical and does not include for any additional material required due to surface porosity, surface profile, variation in level or wastage, etc.

### Packaging

AquaArm Ultra Primer is available in 4.5 kg (B+H)

### Storage and Shelf Life

AquaArm Ultra Primer can be kept for 12 months in original unopened packing when stored indoors.

Do not store in direct sunlight and avoid allowing the material to freeze which will render the material unusable.

### Annotation

- Substrate Temperature +15°C min. / +35°C max. Ambient Temperature +15°C min. / +35°C max.
- Relative Air Humidity 80% r.h. max.
- Dew Point Beware of condensation, the substrate and uncured floor must be at least 3°C above dew point to reduce the risk of condensation or blooming on the surface of the applied product.

### Health & Safety

- During application wear protective clothing, gloves and eye goggles during application. Avoid product to contact eyes and skin.
- Skin Contact: Wash immediately with plenty of clean water, use kerosene or mineral turpentine when the product has dried.
- Eye contact: In the event of eye contact splash plenty of clean water immediately and seek medical advice.

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### 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.