

AquaArm TG

(Formerly known as MYK AQUAFIN TG)

Multipurpose Waterproof Coating



TECHNICAL DATA SHEET

Product Description

AquaArm TG is a cementitious, polymer dispersion based flexible protective coating and waterproof barrier. This product is two-component and resistant to water, moisture and abrasion. Its liquid mixing component is solvent free. AquaArm TG is a stand-alone product. It can be top or over coated with flexible or rigid mortars, stuccos or coatings for uniform appearance.

Uses

- Balconies, Chajjas
- Toilet / Bathrooms
- Roof & Terraces

Features and Benefits

- Breathable
- Flexible
- Self-Curing

Application Methodology

Step no 1: Surface Preparation:

The substrate/surface must be sound, clean and allow a good surface adhesion so that the material can bond well into the concrete.

Horizontal areas should have a rough surface. Smooth surfaces must be mechanically abraded in order to achieve good Bonding.

Clean the surface to remove all loose particles.

Repair to be done for all cracks, honeycombs & Blemishes from the concrete surface. Crack & wall Joints to be treated with Aso Joint Tapes.

Step no 2: Product Mixing

AquaArm TG comes in a pre-weighed composite bag of powder as Component A and Polymer liquid as Component B. They should be mixed in the ratio of 7.5: 2.5 parts by weight in a clean container with the help of a slow speed drill (350-400rpm) fitted with a paddle arrangement. The material should be mixed for 3-4 minutes till a homogeneous mix is achieved which is free of any lumps. The powder has to be added to the liquid slowly (never add liquid to powder). Over mixing should be avoided.

Step no 3: Product Application

The mix material is to be applied on the prepared pre-wetted surface (SSD conditions) in 2 coats.

The 1st coat should be applied horizontally and the second coat should be applied vertically after 4-6 hours @ 30° C of the first coat.

AquaArm TG to be applied typically at 1.5-2.5 kg/m². (subject to application requirement).

By brush:

The application of AquaArm TG is a simple brush application. Use soft bristle brush.

Curing of AquaArm TG:

AquaArm TG is self-curing under normal condition
The coated substrate/area can be exposed to:

-Rain, vertical surface after approximately 4 hours @30°C temp.

-Rain, horizontal surface after approximately 12 hours 30°C temp

- Foot traffic after approx. 2 days 30°C temp

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Technical Data

All data are averages of several tests under laboratory conditions and at 2 mm thickness. In practice, climatic variations such as temperature, humidity, and porosity of substrate may affect these values.

Powder Component	Sand/Cement
Liquid Component	Modified Acrylic Polymer Dispersion
Mixing ratio	30:10 (Powder: Liquid)
Mixing time	2 to 3 minutes mechanical mixer
Pot Life @ 27 °C & 60 % RH	Approx. 30 minutes
@20 ° C & 60 % RH	Approx. 60 minutes
Time between recoat	6 to 8 hrs @ 30°C
Processing time	Approx. 60 Min @20°C
Processing temperature	+5 to +30°C
Hardness Shore A Scale	Approx. 90
Elongation (at 30°C)	Approx. 40%
Tensile Strength	0.86 N/mm ² 4.5 N/mm ² (with Fibre reinforcement)
Water Penetration	1.5 Bar
VOC content	0.5 gm/Ltr
Toxicity	Non Toxic

Packaging

40 Kg Pack (A+B)

Storage and Shelf Life

AquaArm TG can be kept for 12 months in original unopened packaging when stored indoors. Do not store in direct sunlight and avoid allowing the material to freeze which will render the material unusable.

Health & Safety

AquaArm TG may cause irritation due to its Cementitious nature.

On job sites, Applicators should wear protective clothing, gloves, face mask, safety shoes and helmets.

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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