

AquaArm UniCoat

(Formerly known as MYK UNICOAT)

Single component Acrylic Co-polymer for Waterproof Application



TECHNICAL DATA SHEET

Product Description

AquaArm UniCoat is based on styrene-acrylic polymer, a single component product, specially designed for multipurpose economical and effective waterproofing.

Uses

- Waterproofing of old/new terraces
- Toilets
- Chajja
- Masonry wall
- Balconies
- Wash areas

Features and Benefits

- Easy application
- Elastomeric and impermeable
- Good crack bridging capacity
- Breathable allows trapped moisture or vapor to escape
- Bonding for non-load bearing sections
- UV Stable
- Excellent adhesion properties with Cement based materials

Application Methodology

Surface Preparation:

Clean the surface with wire brush or scrubber to remove hidden dirt, loose particles, laitance and dust. Degrease the surface by using suitable solvents.

Clean the concrete surface to remove any contamination where breaking is not possible. Roughen the surface by light scrubbing or grit blasting.

For priming of concrete substrate, the surface should be thoroughly saturated with potable water. Remove any excess of water prior to application.

Use as Water Proofing Coating:

For a water proofing coating, mix 1 part of AquaArm UniCoat and Cement in the ratio of 1:1:5 to 2 by weight. Mix for 2 -3 mins, to avoid air entrapment. Gradually add cement to AquaArm Unicoat until a homogeneous brushable consistency is attained. Apply this mixture by brush in two coats (vertical and horizontal direction) in a time interval of 4-6 hours. Apply 1st coat and allow it to dry for approximately 5 hours. Apply 2nd coat and allow it to air cure for at least 3 days. Protect the coating with a mortar screed of 15-25mm thick from damage.

Plaster over Vertical surfaces shall be done when the 2nd coat is tacky to ensure better bond with the surface.

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Use as Bonding Agent:

Clean the surface thoroughly of its loose concrete, dust etc. and pre wet with water to a SSD (Saturated Surface Dry) condition. Ensure that there is no standing water. For a Bond Coat, mix AquaArm Unicoat and Cement in the ratio of 1:1 by weight. Brush apply a single coat over the clean surface, allow this coat to become tacky and then apply fresh concrete/mortar. If bond coat is dried, apply another to ensure effective bonding.

Mixing & Application:

Transfer the AquaArm Unicoat material into the clean drum. Gradually add the required quantity of cement as mentioned above into the drum and mix for 1-2 mins using the slow speed (400-500 rpm) drilling machine with an attaché or spiral paddle stirrer.

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Technical Data

Powder Component	Cement
Liquid Component	Styrene-Acrylic polymer
Specific Gravity @ 27°C	Approx 1.025
pH @ 27°C	7- 8
Solid @ 27°C	41- 42 %
Mixing Ratio	1 Part:2 Part (max) (Liquid: Cement)
Pot Life @ 27°C & 60 % RH: @ 20°C & 60 % RH:	Approx.30 minutes Approx.60 minutes
Time between recoat: @ 30°C	6 to 8 hrs.
Mixing time	2-3 minutes with mechanical mixer @ low speed

Ideally it should be applied at below 40°C for best results.

Consumption

1 Lit of AquaArm UniCoat when mixed with 1.5 to 2 Kg cement will give coverage 2 Sq mts for 2 coats

Packaging

500 ml, 1, 5, 10 & 20 Litre Pack

Storage and Shelf Life

Store in cool dry place

Shelf Life: 24 months from date of manufacturing.

Health & Safety

Use of hand gloves is necessary while mixing the Product. In case of contact with skin or eyes, use plenty of water to wash and obtain medical help immediately.

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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