

AquaArm SuperFlex

(Formerly known as MYK Super flex 2000)

Two Component Flexible Crack Bridging
Waterproof Coating



TECHNICAL DATA SHEET

Product Description

Two component, cementitious acrylic polymer based high performance elastomeric water proof coating. It offers a seamless flexible crack bridging waterproof membrane.

Uses

- Exterior waterproofing of old and new buildings against ground moisture, humidity, pressure water
- Waterproofing of water tanks
- Waterproofing systems for high water heads
- Horizontal waterproofing below masonry
- Interior waterproofing against humidity from outside
- Waterproofing of underground basements, precast garages, ducts, areas of high humidity, terraces, balconies and swimming pools
- For fixing of SealArm Tape S, SealArm Tape, and SealArm Tape sleeves economic tiling in wet rooms when used as an underlay
- AquaArm Superflex is an economic waterproofing underneath tiles in wet rooms

Features and Benefits

- Rapid rain proofing 3 - 5 hrs @ 30°C
- Resistance to water pressure up to 7 bar (+ve side)
- Bonds on wet surface without priming
- Protect exposed reinforced concrete from acid gases, chloride, atmospheric corrosion, CO₂
- Easy application by spray roller, trowel or stiff brush
- Plant Root resistant
- UV, weather & freeze thaw resistant
- Potable water NSF 61 Certified
- Resistant to aggressive water soil acids etc.
- Environment friendly – Zero VOC

Application Methodology

Step no 1: Surface Preparation

Surface need to be cleaned by wire brushing followed by vacuum cleaning so that surface is free of any loose particles, dust, laitance, mould release agents and curing compounds. Water jetting is not recommended. All cracks to be treated with Rearm SBR modified mortar. Surface is allowed to self cure for 24 hours.

Step no. 2: Fillet preparation

Horizontal and vertical angle joints need to be prepared with 50x50mm concave fillet using concrete admixed with AquaArm Proof WP10 @ 125 g/50 Kg bag of cement. Fillet should be cured to gain strength and completely dry before Primer application.

Pipe penetration sealing

Clean around Pipe penetrations and seal the junction with ArmGrout NS 65.

Step no. 3: Pond Testing

Pond water for 48-76 hours and check for any leakages. Areas with leakages to be marked and treated with ArmGrout ADD grouting, as appropriate.

Step no. 4: Mixing Instructions

AquaArm Superflex consists of a powder and liquid component. The liquid component of approx. 2/3 should be emptied into a clean mixing vessel, add slowly the powder to it.

While mixing with a slow speed mixing paddle (approx. 300 rpm) until a consistent, homogeneous, lump free mass is produced. After that, add the remaining liquid component, and stir until the uniform consistency is achieved.



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Application:

AquaArmSuperflex can be applied by brush, trowel or appropriate spray equipment. At least two layers of AquaArmSuperflex are necessary prior to application of AquaArmSuperflex, surface needs to be pre-wetted in SSD condition (no standing water).

Post the first coat, application of the second layer, is to be done when the first layer cannot be damaged by the further application (at +30 ° C ~ 6-8 hrs).

Avoid applying thickness greater than 2 kg/m² (1 mm DFT) in one application to prevent the formation of the crack.

Existing cracks can be treated with AquaArmSuperflex by embedding the SealArm Tape into the first layer and for moving cracks and construction joints we may use SealArm Tape S.

Technical Data

Powder Component	Sand/Cement
Liquid Component	Polymer dispersion
Mixing Ratio	24kg:11kg (Powder: Liquid)
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
Processing time @ 20°C	60 Min
Processing temperature	+5 to +30°C
Hardness Shore A Scale	Approx.70
Elongation at 23°C @ 28 days (ASTM D412)	Grey : >80% , White: >40%
Tensile Strength at 23°C @ 28 days (ASTM D 412)	>0.5 N/mm ²
Vapor Diffusion Resistance	Approx. 1000 μ
Service Temperature	0°C to 50°C
Application temperature	+5 to +30°C



TECHNICAL DATA SHEET

Consumption

2-2.5 kg/Sqm for 1 mm DFT.
(subject to application requirement).

Packaging

Available in 7 & 35 kg Composite Pack.

Storage and Shelf Life

Store in dry & cool place in shaded area & kept away from freezing. Shelf life is 24 months from the date of manufacturing in original unopened packaging. Consume open packs immediately.

Precaution

- When the coating is getting cured, it should not be exposed to water pressure which may lead to ruptures of membrane.
- In areas of high humidity, extended curing time has to be taken into account.

Cleaning of equipments:

AquaArm Superflex should be removed from tools and equipments with clean water immediately after use. Hardened material can be removed mechanically.

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TECHNICAL DATA SHEET

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.

Fire

- Components of AquaArm Superflex are non flammable.

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.