

AquaArm 1K

(Formerly known as MYK AQUAFIN -1K)

Waterproofing Slurry



TECHNICAL DATA SHEET

Product Description

AquaArm 1K is a rigid cementitious acrylic based waterproofing coating. AquaArm 1K is made of acrylic polymer, quartz sand, Portland cement and additives. It does not contain any material, which may cause negative effects on reinforcement or concrete. AquaArm 1K hardens to a rigid impervious layer.

Uses

- Waterproofing on concrete, masonry and plaster, for interior and exterior use, in the following areas of application.
- Civil engineering: Earth covered constructions, sewage works, water tanks, swimming pools, heating pipes, pits etc.
- Building construction: Cellars, potable water tanks.
- Water construction: Storage lake walls, pools, tunnels, sluices.
- Older building: Not protected against posterior
- Constructions: Moisture and soaking water.

Features and Benefits

- Economic, 1-component, cementitious waterproofing coating.
- Applied above or below grade.
- Resists strong hydrostatic pressure.
- Applied to positive or negative water pressure side.
- Easy to use - needs only to be mixed with water prior to application.
- Not a vapor barrier - lets concrete "breathe".

Application Methodology

Step no 1: Surface preparation

The surface must be of load bearing capability, largely plain, free of pockets, cracks and ridges, free of foreign matter, and free of oil, grease, paint or bitumen. Cement paste and loose mortar have to be abraded. The surface has to be in saturated surface dry condition. The brick joints shall be sealed with polymer modified mortar (admixing ReArm SBR 45). During the application and the time of hardening avoid large surface ponding. Coarse pored surfaces cause a higher consumption.

Step no 2: Mixing

25 kg AquaArm 1K and 6.7 Lit tap water.

Mixing time: 3 minutes

Step no 3: Instruction for use

AquaArm 1K is supplied in powder form. It has to be mixed on site with clean water in a clean vessel until it becomes a workable mass that can be brushed. The surface should be pre-treated in the necessary way. Application must be ensured in several coats at a consumption of 1-2 kg/m² per coat. 2 number of coats are recommended. The second coat should be applied when the 1st coat is completely dried and hardened (preferably next day). Green AquaArm 1K coats have to be protected against direct sun influence, air, rain and frost.

Cleaning: Cleaning to be done in green state with water, dry material is difficult to be removed.



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Technical Data

Basis	Sand/cement, polymer
Specific gravity of the ready mortar	1.85 Kg/L
Pot life	30 minutes @ 23°C
Application temperature	+ 5°C to + 30°C
Exposure - To rain - Foot traffic - To static water pressure	After 3 hrs. Walkable after 1 day After 7 days at 25 °C and 60% relative humidity.
Complies to	DIN 1048
Potable water certification	DVGW, leaflet W 270

Coverage

Type of load 1	Earth moisture: 3.5 kg/m ² , app. 2.0 mm
Type of load 2	Ground water: 3.5 kg/m ² , app. 2.0 mm
Type of load 3	Ground & back water: 4.5 kg/m ² , app. 2.5 mm

Packaging

AquaArm 1K is supplied in 25 kg pack.

Storage and Shelf Life

Dry, 12 months in originally closed packs, opened packs are to be sealed and be used up as soon as possible. Consumption of the ready mixture/strength of layer.

Annotation

AquaArm 1K contains cement and reacts with alkaline moisture.

Therefore:

- Protect skin and eyes
- Keep out of children's reach
- In case of eye or skin irritation wash thoroughly with clean cool water
- Wear safety gloves In case of eye contact seek immediate medical treatment



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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.

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