

AquaArm Tank Coat

(Formerly known as MYK TANK COAT)

Water thinnable epoxy coating for cement / RCC water tanks



TECHNICAL DATA SHEET

Product Description

AquaArm Tank Coat is a two-component epoxy resin based waterproofing compound. One part is consisting of epoxy resin and the other part of hardener. After mixing both the parts, it can be thinned down with water of pre-determined quantity. It possesses all the attributes of normal solvent based epoxy compositions, such as excellent water and chemical resistance, adhesion, hardness, toughness and mechanical strength.

One of the major advantages of AquaArm Tank Coat over solvent based epoxy is that it can be applied on damp surfaces also. Being free from solvents, it does not pose any health hazard to the applicators. AquaArm Tank Coat is economical to apply.

Uses

- Cement-concrete water storage tanks.
- Damp walls (Interior / exterior)
- As a primer before painting (Interior / Exterior)
- Toilet and kitchen walls.
- As a putty with White Cement to fill the fine cracks of external walls
- Sterile area of pharmacy, food industries, hatcheries & aqua farms.

Features and Benefits

- Water dilutable
- Being water based it penetrates in concrete/plaster surface, seals the porosity and network of fine cracks.
- Reduces water permeability.
- After curing it forms a hard, tough and strong film.
- Bonds strongly on cement concrete/mortar, plaster, asbestos sheet etc. surfaces.
- Excellent resistance to water, salt water, dilute acids, alkalis, Soap water, and other chemicals.
- Excellent resistance to positive (hydrostatic) water pressure.
- Non-toxic- CFTRI Certified for compatibility with potable water
- Eco-friendly - Non-hazardous and non-flammable.
- Applicability as Primer - Can be used as a primer for water based & solvent based paints.
- Microbial resistant - Possesses anti-fungal properties and is resistant to micro-organisms.

Application Methodology

Step no.1: Surface Preparation

Surface preparation is the most important step before application of AquaArm Tank Coat, to get best result. The substrate must be clean and free of dirt, paint, oil, grease, sludge, blistered & loose plaster, fungus & moss etc. Thorough wire brushing followed by sanding with emery paper is recommended. Remove the dust by compressed air or paint brush or wiping with moist cloth.

Step no. 2: Product Mixing

Take a clean container of volume approx. 2 liters. Stir the Base and Hardener thoroughly in their individual packs to achieve uniform consistency. Pour the base and hardener into the clean container. Mix base and hardener up to a smooth, paste-like material. After proper mixing of the base and hardener, add 500 ml water into the properly mixed paste. Mix the total mass up to a brush able consistency.

Caution:

Maximum recommended volume of water is 500ml overdose of water should be avoided for proper functioning of the system.

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AquaArm Tank Coat Preparation

Mix AquaArm Tank Coat (1-part Base & 1-part Hardener) Thoroughly, add 2 parts of White Cement and add required amount of water to get a plaster like consistency.

Step no.3: Product application Waterproofing of RCC water tanks

Any coating is to be applied only after proper surface preparation including surface treatment. Firstly, prepare a groove along the crack of width 1 mm to 5 mm, and clean the dust by washing it with water. Fill the cracks & grooves with AquaArm Tank Coat and White Cement modified putty & allow it to dry for at least one day / 24 hours. Apply the first coat of mixed quantity of AquaArm Tank Coat by brush. Allow it today for 6 to 8 hrs. In case of several leakage problems due to more cracks on the walls, apply AquaArm Tank Coat and White Cement putty on the entire surface area. Allow it to dry for at least 24 hours. Apply second brush coat of mixed AquaArm Tank Coat. Allow it to cure completely for 24 hours before applying a cement sand plaster on wall or a screed on floors. The treatment of AquaArm Tank Coat can also be kept open, as the product possesses the non-toxic property. In such situation allow it to cure for minimum 3-4 days prior to storage of the water. The treatment of AquaArm Tank Coat then must be cleaned with the help of moist cloth or sponge and with plenty of water prior to storage of water.

AquaArm Tank Coat putty preparation

Mix AquaArm Tank Coat (1 part Base & 1 part Hardener) Thoroughly, add 2 parts of White Cement and add required amount of water to get a plaster like consistency.

Cleaning & Equipment Maintenance

Regular water flushing of mixing equipment's will prolong service life and reduce breakdowns. All the instruments to be cleaned immediately after mixing and with normal water.

Precautions

- 1, All previous coating to be completely removed before application of AquaArm Tank Coat.
- 2, Avoid application below 10°C surface temperature
- 3, At low temperature, drying and curing period will be Prolonged
- 4, before mixing both the parts, mix them in individual Containers
- 5, Use nylon brush for easy brush ability
- 6, Should not be applied on painted surfaces.
- 7, Drying time depends on the condition of damp surfaces and temperature.
- 8, Not resistant to acids and alkalis of higher concentrations (usable up to 5% concentration) and for a longer period.

Technical Data

Nature: Two Components
Mixing Ratio by weight

Component	BASE	HARDENER	WATER
W/W	1 Part	1 Part	1 Part

Consistency after mixing	Free-flowing, smooth paste
Pot life at 27°C	Approx. 60 minutes
Drying time at 30°C	
Surface touches dry	1 - 2 hrs
Surface hard dry	16-18 hrs
Interco at time period at 30°C	16 to 18 hrs
Curing time at 30°C	
Initial	24 hrs
Full cure	7 days

Specification:

Certified by CFTRI tested as per USFDA-175.300 April 2011, and found suitable for use in contact with potable water at room temp filling and storage.

Waterproofing Systems

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Consumption

As Coating: 7.5 to 8.5 m² per kg per coat,
As cement putty: 0.6 to 0.8 m² per kg per coat

Packaging

1.0 kg (Base + Hardener)

Storage and Shelf Life

AquaArm Tank Coat Shelf-life is 12 months
when stored at +27°C in original, unopened packs.

Health & Safety

Please adhere to valid European Materials Safety Data Sheet (MSDS).



TECHNICAL DATA SHEET

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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