

# AquaArm Latex 45

(Formerly known as MYK LATEX 45)

Single Component SBR Based Bonding Agent & Cement modifier



## TECHNICAL DATA SHEET

### Product Description

AquaArm Latex 45 is a single component product based on modified SBR latex, designed for use as a ready to use bonding agent and cement modifier. It is used as an admixture for obtaining waterproof concrete, plasters and mortars.

Meets the requirements of ASTM C 190-1985 standard.

### Uses

- Concrete repairs – Spalled concrete of floors, columns, beams, chajja, slabs, parapets etc
- Waterproofing – Small roof terraces, sunken portions of toilets & bathrooms, chajja & balconies
- Bond coat – bonding of masonry stone work & plastering
- Cladding – Fixing or re-fixing of slip bricks, tiles, stones & marble bedding
- External rendering – Weatherproof & frost resistant render

### Features and Benefits

- Multipurpose liquid, easy to use
- Prevents cracking by improving flexural strength
- Reduces drying and aging shrinkage cracks
- Bonds strongly to concrete, masonry, plasters, cementitious surfaces
- Useful as waterproof coat.
- Useful as a bonding agent between old and new concrete surfaces.
- Excellent impermeability & durability in cement mortar.

### 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.

Repair the spalled concrete portion by saw, cutting the extreme edges of the repair location to a depth of at least 10 mm to avoid featheredging and to provide strong bond.

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 AquaArm Latex 45 and Cement in the ratio of 1:1.5 by weight. Mix for 2-3 mins to avoid air entrapment. Gradually add cement to AquaArm Latex 45 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.

Provide the protective screed to the desired slope and thickness.

#### Use as Repair Mortar modifier:

A suitable mix ratio for patching repair mortar is as follows:

##### Mix design :

Cement 50 Kg,  
Washed sand 150 Kg,  
AquaArm Latex 45: 6-7 Kg,  
Water 10 Ltr.

#### Use as Bonding Primer:

For a bonding primer coat mix AquaArm Latex 45:Cement in the ratio of 1:1 by weight. Apply 1 continuous coat by brush of the mix on the prepared concrete surface. Apply repair mortar when the Primer is in tacky or wet on wet condition.

#### Mixing and Application:

Use PAN mixer to ensure thorough mixing of AquaArm Latex 45 mortar.

Use suitable sized drum with heavy duty electrical drill machine fitted with a spiral paddle mixer at a slow speed of 400-500 rpm.

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Charge the mixer with required quantity of clean and dry sand (or coarse aggregates as needed), cement and mix for 1-2 mins, then add the recommended dosage of AquaArm Latex 45 dispensed in water which is pre-batched. Mix for 2-3 mins to avoid air entrapment. Keep adding the water slowly till the required consistency is achieved.

### Technical Data

Appearance	Milky White, translucent free flowing liquid
Type	SBR Latex
pH @ 27°C	Min 7.5 to 8.5
Specific Gravity @ 27°C	1.01 ± 0.01 Kg/Liter

### Coverage

1 ltr AquaArm Latex 45 when mixed with 1.5 - 2 kg cement will cover approx. 2 sq.m area, in 2 coats

**Note:** Coverage will depend on brand of cement and its subsequent mix. The consumption varies depending upon the substrates.

### Packaging

500ml, 1, 5, 10, 20 & 50 Lit Pack

### Storage and Shelf Life

Store in cool dry place  
24 months from date of manufacturing.

### Health & Safety

Adopt health & safety regulations in accordance with local laws. Care should be taken when handling AquaArm Latex 45 as it may cause irritation due to its Cementitious nature (please refer to Material Safety Data Sheet for specifics). As typical on most job sites, applicators should wear protective clothing and gloves. Those handling and mixing AquaArm Latex 45 should wear a face mask. Safety shoes and helmets must be worn by staff at all-times. MYK Arment recommends the enforcement of stringent health and safety measures on all job sites

### 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.