

Magma Alliance 2 K Plus

2- Component flexible, polymer-modified, cementitious waterproof coating



Features & Benefits

- Vapour permeable - No blistering of coating
- Easy to use – can be brush, roller applied
- Waterproof – resistant upto 3 bar (positive side water pressure)
- Non toxic - Suitable for portable water tanks
- Flexible, with thermal expansion similar to concrete
- Excellent bond to concrete and masonry
- Crack bridging
- Bonds well to damp substrates without priming

Primary Application

Magma Alliance 2 K Plus is recommended for use in waterproofing of bathrooms, water tanks & other covered areas. Also suitable for waterproofing of roof & other exposed areas. A protective concrete screed is recommended in such applications.

Packing

20kg & 7kg

Coverage

Approximate coverage per pack at even consistency is as follows:

Consistency : Brush application
 Coverage for 20kg pack : 10 - 12m²
 Coverage for 7kg pack : 4 - 4.5m²

Application Methodology

- A. Surface Preparation
- B. Installation of Fillets
- C. Bore packing
- D. Application of Waterproofing Membrane

A. Surface preparation

The surface shall be thoroughly cleaned using wire brush, vacuuming, and water jet in order to remove all the loose particles, laitance, grease, wax, dust, and any other bond breaking materials. The cleaned surface should be saturated surface dry condition, avoid stagnation of water.

B. Installation of Fillets

Many waterproofing defects occur in the wall-floor junctions. Where Horizontal and Vertical areas connect at a 90 degrees angle. This wall - floor junction is rounded out by installing a concave fillet.

Create the fillets at the intersecting corners of vertical and horizontal surface using cement-sand mortar over a coat of SB bonding emulsion(a styrene butadiene rubber based multipurpose polymer bonding agent).

C. Bore Packing

The external surface of the pipe shall be cleaned and roughened with coarse emery paper to create a mechanical key to enhance the bond with the sealing material.

Pack the bore hole using non-shrink grout.

D. Application of Waterproofing Membrane

Mixing

Components	Proportions	
	20kg pack	7kg pack
Powder	15 kg	5kg
Polymer	5 kg	2kg
Water	3 litres	1ltr

Mix polymer & water in the above mentioned proportion. Take 1/3rd of this liquid mixture and keep aside. Add powder component to the 2/3rd liquid in a clean plastic container whilst stirring until a lump free mass is achieved.

Add remaining liquid component and stir until a uniform consistency is achieved.

Application

The surface should be saturated surface dry during application. Magma Alliance 2 K Plus shall be applied by brush. The mixed material shall be applied in two coats. The second coat shall be applied in perpendicular direction as soon as the first coat has reached touch dry state. Average drying time is 4 to 6 hours at normal temperatures.

A good waterproofing practice demands curing of cement based waterproofing membrane by sprinkling of water starting from next day of application for minimum 3 days.