

Altius Cementitious Waterproofing



PRODUCT DESCRIPTION:

Altius Cementitious Waterproofing is a permanent, cost-effective, long-life flexible waterproofing system for foundations, roofs, pools, and facades. Altius Cementitious Waterproofing performs excellently in areas with extreme climatic conditions. It is versatile with superior bondability with new and old surfaces of concrete, bitumen, and tiles. Application can be done by brush or spray; it is so stable that after drying the uncovered area can be walked upon. It also shows high resistance to chemical degradation, atmospheric pollution, UV rays and fire. Altius Cementitious Water Proofing is a two component – powder (cement based) and resin (acrylic based) – system, which can be mixed on site. Mixing in different ratios will produce different degrees of flexibility usable for various purposes.

Its Resin is made from concentrated acrylic resins, highly resistant to UV rays, and alkalinity. The resin system is permanently flexible and can be mixed with cement and cement-based materials in various proportions. It is also very suitable as an additive to mortars and screeds to increase their tensile, compressive and fracture strengths and reduce their water cement ratio. The Powder is based on special cements, finely graded fillers, damping and adhesion promoters. The properties of the final product vary according to mixing of resin and powder.

ADVANTAGES AT A GLANCE

- Abrasion and scuff resistant.
- Non-toxic.
- Excellent weather resistance.
- Inherent adhesiveness.
- Bridges cracks in substrates.

AREAS OF USAGE

Altius Cementitious Waterproofing can be used in waterproofing application for all building surfaces including retaining walls, swimming pools, planters, wet room floors, water tanks, roofs, facades, and foundations.

PREPARATION OF SURFACE

Remove dust, dirt, oil patches, protrusions, ridges, and foreign matter from the areas to be coated. The areas which are dusty or show flaking must be brushed thoroughly and then primed with Altius Primer.

MATERIAL PREPARATION

Mixing of Powder and Resin (and water if required) should be done in the ratios provided below. Use a high-speed mixer or powered agitator to achieve a smooth homogenous mix. If method of application is spraying, add sufficient water to get exact consistency. All mixed material should be used within one hour.

	Flexi Coat	Flexi Slurry	Flexi Screed
Resin	1	1	1
Powder	2	3	4
Water	0	0.2	0.5

METHOD OF APPLICATION

Apply the mixture using brush, roller or spray; leave 3 hours between coats for drying. The prepared material must be used within 1 hour of mixing. Tools may be cleaned with water, ensure this is done within one hour of mixing of materials.

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HEALTH & SAFETY

Keep away from contact of eyes and skin by wearing overalls, safety boots, goggles, gloves and mask. For further information, please refer the Material Safety Data Sheet.

PACKAGING & STORAGE

Product is supplied in 25 Kg plastic pail. Resin is supplied in 5 Kg jerry can and powder in 20 Kg plastic bag. Store in a clean dry area, protected from direct sunlight and extreme temperatures (both heat and cold). They have a shelf life of up to 12 months. The oldest material should be used first.

TECHNICAL DATA

Product	Cementitious double component acrylic waterproofing
Binder	Hydraulic (for powder) and organic (for resin)
Fillers	Finely-graded, crushed fillers
Dilution	Water, if required for different consistency
Colour	White & Grey
Drying Time	3 hours on normal weather conditions
Specific Gravity	1.75; when resin and powder is mixed in 1:2 ratio
Consumption	1.5 Kg/m ² /mm
Storage	12 months in original, unopened condition
Package	25 Kg plastic pail. Resin in 5 Kg jerry can and powder in 20 Kg plastic bag

DISCLAIMER

The information in this document is given to the best of Altius Industries knowledge, based on laboratory testing and practical experience and is intended to provide general information on the product and their method of application. All Altius products are used under conditions beyond Altius control so we cannot guarantee anything but the quality of the product itself. Minor product variations may be implemented in order to comply with local requirements. The prospective user is recommended to determine the suitability of products before adopting them on a commercial scale. Altius reserves the right to change the given data without further notice. Users should always consult Altius technical team for specific guidance on the general suitability of this product for their needs and specific application practices.

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