

# MixBOND AC

Multi-purpose bonding agent, admixture, surface sealer

**MixBOND AC** is an emulsified acrylic solution in milky appearance, based on modified acrylic resins. It is designed to use as a base surface stabilising sealer and as bonding agent / primer for versatile useful to modify to enhance cementitious mortars with waterproofing property. The product is ready to use, has exceptional grab characteristics and develops a tenacious bond of the new mortar

MixBOND AC may be used in external or internal applications, such as modified plastering, thin layer of floor toppings as an admixture and bonding agent.

## Appropriation

As a primer for repair and patching of concrete and mortar areas

Water resistant toppings

Bonding brick slips, tiles, stones, wall capping, re-pointing brick work and protection of concrete from dampness

Base sealer and bonding coat for porous surfaces and over existing Bitumen coatings prior to water proof system application

As an admixture to enhance the property of cement mixes by reducing shrinkage where curing is practically not possible like bedding mortars for tile fixing

## Characteristics

- Excellent adhesion to a wide range of cementitious substrates
- Improves toughness and flexibility, reduces chance of plastic cracks in mortars and screeds
- Improves mortar tensile strength and impact resistance
- Increases wear resistance and frost resistance
- Suitable for interior and exterior applications

## Technical Data & Properties

Appearance	: Milky white liquid
Composition	: Acrylic resin
Adhesion to concrete (BS6319)	: 1.5N/mm <sup>2</sup>
Specific gravity	: 1.02±0.02
Application temp	: above 5°C to 45°C
Service temp	: 20°C to + 60°C
Solid content	: 48%
Standards	: The product is designed to comply with ASTM C932

## Product Management

Application procedure: MixBOND AC can be used neat or diluted with water. Levels quoted in the application section are given only as a guide. Dosage will vary depending upon the application.

As with all bonding mediums, the quality of surface preparation has a direct influence on the effectiveness and durability of the repair. Saw cut the perimeter of areas to be treated to a minimum depth of 15mm to avoid feather edging of the repair mortar. Loose, contaminated, or damaged concrete should be removed and the full circumstances of any corroded reinforcing steel exposed to reveal a gap of 20mm behind steel. Prior to application of the MixBOND AC, the substrate should be soaked with copious amounts of clean water for a minimum period of one hour. Remove standing surface water from flatwork. MixBOND AC is applied by brush



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using a stippling action rather than a painting action and ensuring the surface is completely covered. The repair mortar should be applied whilst the primer is still tacky, reapplying as necessary to achieve this. Care should be taken not to over apply as excessive primer may cause high build applications to slip

MixBOND AC may be spray applied as a curing aid to cementitious repairs. As a bonding agent, for cement screeds and renderings, plaster etc, the background must be sound since the adhesion of the mortar to the floor; wall or ceiling will only be as good as the substrate. Remove all flaking and cracking paint, plaster etc from the substrate. It must be stable thoroughly clean and free from oil, grease or any loose particles. Seal the surface using one part MixBOND AC with two parts of water. Allow this to dry, and then apply a bonding coat of one part MixBOND AC diluted with one part water. Screed, plaster or render on the tacky bonding coat using normal techniques. Cure cementitious screeds and renders properly

As an admixture, MixBOND AC improves quality of mortar application, increases the mechanical strength of screeds and mortars, reduces shrinkage and has perfect adhesion even on smooth concrete. For maximum bond strength, add MixBOND AC@3ltr/50kg cement bag

As a bonding coat over sound bitumen primer; MixBOND AC can be over coated as a bonding primer in modification with OP cement will provide a membrane for subsequent acrylic based water proofing systems application. MixGUARD AC modified 2:13 ration (MixBONDAC : Water : OP cement) by volume. This slurry will form as an efficient barrier over bitumen or Asphalt and can be covered with most of the oil based paints

## Coverage

As a surface bonding agent: 6–7Sq. m/L depend on the substrate

As a curing agent: 10 to 12 Sq. m/ltr

As a slurry coat 1L/Sq. m

Note: The consumption may vary while preparing cement modified bonding slurry

## Packing & Storage

MixBOND AC is available in 5Kg, 20kg and 200kg drums. For site installations or mass consumption, deliveries shall be made in bulk custom-designed containers. Should be stored in cool, shaded and dry warehouses, similar to cement. Shelf life is 12 months when stored under cover, out of direct sunlight, protected from extreme temperatures and as per recommendations. In extreme tropical climate, the product must be stored in cooled ambience. Excessive humidity and over exposure to UV will result in the reduction of shelf life

## Health & Safety

MixBOND AC contains no hazardous substance. As with all construction chemical products, caution should always be exercised. Protective clothing such as gloves and goggles shall be worn whilst handling. Wearing long sleeve overall, safety shoes and face mask is recommended for maximum safety. Reseal all containers after use and ensure product is stored as instructed on the safety section of the labeling. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately. For more details, please refer to the MSDS released on each Fab product

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Technical information given in this data sheet is true and exact to the best of our knowledge, laboratory upshot and hands - on application. The data sheets of all products are revised/updated regularly and hence ensure that the latest release is used for reference and recommendation. The date of publishing is as in this sheet. All data are mean of numerous tests, assessment and analysis conducted under laboratory ambience. climatic disparity in temperature, humidity, etc... and porosity of substrate may impinge on the values.

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