



The Chemical Company

EMACO[®] BONDING AGENT

Acrylic bonding agent & curing aid

Description

EMACO BONDING AGENT is a single component white emulsion of milky appearance, based upon modified acrylic resins. It is formulated for use as a bonding agent for cementitious mortars and specifically EMACO R101. The product is ready to use, has exceptional grab characteristics and develops a tenacious bond of the new mortar to the host concrete.

EMACO BONDING AGENT may be used in external or internal applications, but for permanently wet or submerged service conditions the use of RHEOMIX 141 in a cement bonding slurry is suggested as preferable.

Primary use

EMACO BONDING AGENT is formulated for use as the primer for EMACO R101 repair mortar and is especially recommended for vertical and overhead applications. It is also recommended as a curing aid, to reduce the incidence of early age cracking in patch repairs. It is only effective if applied immediately finishing is complete and when the repaired area is protected from drying winds.

Packaging

EMACO BONDING AGENT is supplied in 1 and 5 litre containers.

Typical properties

Properties listed are only for guidance and are not a guarantee of performance

Tensile bond strength at 7 days:	>1.8N/mm ²
Curing efficiency ^(a) :	>55%

^(a)The curing efficiency of EMACO BONDING AGENT was measured to the UK's DOT Clause 2709 modified to include mortar pre-drying period.

Directions for use

EMACO BONDING AGENT is supplied ready for use and under no circumstances should it be diluted with water or solvents.

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 circumference of any corroded reinforcing steel exposed to reveal a gap of 20mm behind steel. Remove all corrosion products from the steel by mechanical wire brushing before applying a single coat of CONGRESIVE ZR - Zinc Rich Primer. Prior to application of the EMACO BONDING AGENT, the substrate should be soaked with copious amounts of clean water for a minimum period of 1 hour. Remove standing surface water from flatwork.

EMACO BONDING AGENT is applied by brush 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 wet or 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.

EMACO BONDING AGENT may be spray applied as a curing aid to cementitious repairs.



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When hot drying winds prevail additional precautions such as wet hessian polythene or ponding should be employed and the area sheltered.

Equipment care

Brushes and other equipment may be washed immediately after use with water

Storage

Shelf life is one year at 20°C if stored under cover, out of direct sunlight and protect from extremes of temperature.

Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult BASF's Technical Services Department.

Coverage

As a bonding agent 5-8 m²/litre dependent on substrate

As a curing aid 4-5 m²/litre

Note

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local BASF representative.

BASF reserves the right to have the true cause of any difficulty determined by accepted test methods.

Quality and care

All products originating from BASF's Dubai, UAE facility are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and OHSAS 18001.

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As all BASF technical datasheets are updated on a regular basis it is the user's responsibility to obtain the most recent issue.

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