

# MasterEmaco<sup>®</sup> P 210

Acrylic bonding agent & curing aid

## DESCRIPTION

**MasterEmaco P 210** 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 **MasterEmaco S 101**. The product is ready to use, has exceptional grab characteristics and develops a tenacious bond of the new mortar to the host concrete.

**MasterEmaco P 210** may be used in external or internal applications, but for permanently wet or submerged service conditions the use of **MasterCast 141** in a cement bonding slurry is suggested as preferable.

## PRIMARY USES

**MasterEmaco P 210** is formulated for use as the primer for **MasterEmaco S 101** 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

**MasterEmaco P 210** is supplied in 1 and 5 liter containers.

## TYPICAL PROPERTIES

Tensile bond strength at 7 days	>1.8N/mm <sup>2</sup>
Curing efficiency *	>55%

\*The curing efficiency of **MasterEmaco P 210** was measured to the UK's DOT Clause 2709 modified to include mortar pre-drying period.

## DIRECTIONS FOR USE

**MasterEmaco P 210** 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 **MasterEmaco 8100 AP-** Zinc Rich Primer. Prior to application of the **MasterEmaco P 210**, the substrate should be soaked with copious amounts of clean water for a minimum period of 1 hour. Remove standing surface water from flatwork.

**MasterEmaco P 210** 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.

**MasterEmaco P 210** may be spray applied as a curing aid to cementitious repairs.

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 Saudi Master Builders Solutions Technical Services Department.

## COVERAGE

As a bonding agent 5-8 m<sup>2</sup>/liter dependent o substrate  
As a curing aid 4-5 m<sup>2</sup>/liter

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## NOTE

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

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

## QUALITY AND CARE

All Master Builders Solutions Products are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health and safety standards of ISO 9001 and Master Builders Solutions ESHQ recommendations.

\* Properties listed are based on laboratory controlled tests.

® = Registered trademark of the MBCC-Group in many countries

## CONTACT

Should you require any further information, please do not hesitate to contact us:

[www.master-builders-solutions.com/en-sa](http://www.master-builders-solutions.com/en-sa)  
[enquirycc.saudi@mbcc-group.com](mailto:enquirycc.saudi@mbcc-group.com)  
M: +966 13 853 8600

Master Builders Solutions Saudi Arabia for  
Manufacturing LLC.  
P.O. Box 1884, Al Khobar, KSA

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### STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this Master Builders Solutions publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

#### Disclaimer:

In view of widely varying site conditions and fields of application of our products, this technical data sheet is meant to provide general application guidelines only. This information is based on our present knowledge and experience. The customer is not released from the obligation to conduct careful testing of suitability and possible application for the intended use. The customer is obliged to contact the technical help-line for fields of application not expressly stated in the technical data sheet under "Fields of Application". Use of the product beyond the fields of application as stated in the technical data sheet without previous consultation with Master Builders Solutions and possible resulting damages are in the sole responsibility of the customer.

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