

MasterEmaco[®] 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. 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.

TYPICAL APPLICATIONS

MasterEmaco P 210 is formulated for use as the primer for **MasterEmaco** 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 L and 5 L containers.

TYPICAL PROPERTIES*

Tensile bond strength at 28 days:	>1.8 N/mm ²
Curing efficiency ^(a) :	>55%

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

APPLICATION GUIDELINES

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 10mm 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.

MasterEmaco® P 210

CLEANING

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

COVERAGE / YIELD

As a bonding agent 5-8 m²/L dependent on substrate
As a curing aid 4-5 m²/L

STORAGE AND SHELF LIFE

Shelf life is 12 months 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 Master Builders Solutions Technical Services Department.

QUALITY AND CARE

All products originating from Master Builders Solutions 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 and ISO 14001.

* Properties listed are based on laboratory controlled tests.

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

MBS_CC-UAE/Em_P210_08_96/v2/02_15/v3/05_20

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.

NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by Master Builders Solutions either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not Master Builders Solutions, are responsible for carrying out procedures appropriate to a specific application.

Master Builders Solutions
Construction Chemicals LLC
P.O. Box 37127, Dubai, UAE
Tel: +971 4 8090800
www.master-builders-solutions.com/en-ae

Disclaimer: the TUV mark relates to certified management system and not to the product mentioned on this datasheet



A brand of
MBCC GROUP