

MasterEmaco[®] P 168 (formerly known as Emaco Bonding Agent)

Acrylic bonding agent & curing aid

DESCRIPTION

MasterEmaco P 168 is a single component white emulsion polymer, based upon modified acrylic resins. It is formulated for use as a bonding agent for cementitious mortars, with exceptional grab characteristics and develops a tenacious bond of the new mortar to the host concrete.

MasterEmaco P 168 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.

RECOMMENDED USES

MasterEmaco P 168 is recommended for use as the primer for repair mortars both for vertical and overhead applications. It is also recommended as a curing aid, to reduce the incidence of early age cracking in patch repairs.

PROPERTIES

Aspect	: Milky white liquid
% Solids	: > 40 %
Adhesive bond strength to concrete (ASTM D4541)	: >1.5 MPa at 7 days (concrete failure)
Curing efficiency #	: > 55%

#The curing efficiency of **MasterEmaco P 168** was measured to the UK's DOT Clause 2709 modified to include mortar pre-drying period.

APPLICATION

MasterEmaco P 168 is supplied ready for use and under no circumstances should it be diluted with water or solvents.

The quality of surface preparation has a direct influence on the effectiveness of bonding agent. Saw cut the perimeter of areas to be treated to a minimum depth of 15mm to avoid feather edging of the repair mortar. Remove loose, contaminated, or

damaged concrete and concrete around corroded reinforcing steel, to leave a gap of minimum 20mm behind steel. Remove all corrosion products from the steel by mechanical wire brushing before applying a single coat of **MasterEmaco P 130 - Zinc Rich Primer**.

Prior to application of the **MasterEmaco P 168** the substrate should be soaked with copious amounts of clean water for a minimum period of 1 hour. Remove standing surface water from flatwork.

Apply **MasterEmaco P 168** using a long brush in a circular motion, forcing the bonding agent into the pores & crevices, and ensuring the surface is completely covered.

Apply the repair mortar while the primer is still wet or tacky. Reapply the bonding agent if it had gone dry. Avoid puddles

Apply **MasterEmaco P 168** as a curing aid to cementitious repairs, using a low pressure sprayer. When hot drying wind prevails, additional precautions such as wet hessian polythene or ponding should be employed and the area sheltered.

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

ESTIMATING DATA

As bonding agent: 4 – 6 m²/litre, depending on the substrate absorption.

As curing aid: 4 – 5 m²/Litre

PACKAGING

MasterEmaco P 168 is supplied in 5 kg and 20 kg containers.

SHELF LIFE

MasterEmaco P 168 has a shelf life of 12 months. Store out of direct sunlight, clear of the ground on pallets protected from rainfall.



The Chemical Company

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PRECAUTIONS

For the full health and safety hazard information and how to safely handle and use this product,

please make sure that you obtain a copy of the BASF Material Safety Data Sheet (MSDS) from our office or our website.

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STATEMENT OF RESPONSIBILITY (Disclaimer)

The technical information and application advice given in this BASF Construction Chemicals 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.

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