

MasterEmaco® P 102

High performance primer

DESCRIPTION

MasterEmaco P 102 is a two component solvent free primer based upon epoxy resins for use with appropriate epoxy overlays and coatings. It is used to promote the adhesion of toppings / coatings to existing concrete substrates.

PRIMARY USES

MasterEmaco P 102 is non tainting and can be used with safety in food processing areas. It is used to bond epoxy coatings to concrete and other materials after first ensuring their strength and suitability as substrates.

MasterEmaco P 102 is moisture tolerant and can be applied to damp, but not wet surfaces.

ADVANTAGES

- **MasterEmaco P 102** provides permanent adhesion to:
 - concrete
 - cementitious systems
 - timber
 - granolithic screeds
 - masonry paving
 - mild steel
- Excellent mechanical properties
- Excellent water resistance
- A range of performance capabilities

POT LIFE*

25°C	90 mins
40°C	30 mins

PACKAGING

MasterEmaco P 102 is available in 1 liter pack.

APPLICATION PROCEDURE

PREPARATION:

In new construction, concrete to receive high performance coating and overlay systems should be designed, mixed and placed in accordance with internationally accepted good practice. Sufficient compressive and tensile strength to withstand dynamic loading is required. Good surface strength is essential but too dense a surface caused by over troweling or

finishing with steel floats can lead to adhesion failure. Consult BASF's Technical Services Department for advice on concrete mix design, finishing methods and surface texture requirement for individual systems. On existing substrates, laitance or concrete contaminated with oils, greases etc. should be completely removed by mechanical means to guarantee adhesion of the coating or overlay. Finally ensure the surface is dust free, using an industrial vacuum.

Specialist finishes should not be applied to concrete which contains more than 5% moisture by mass. The substrates can be considered sufficiently dry when the relative humidity at the surface falls to 75% or less when measured with a hygrometer to BS 8201 : 1987 Appendix A.

Prior to application, **MasterEmaco P 102** should be stored under cover and in dry conditions, and protected from extremes of temperature which will cause inconsistent workability and cure times of the mixed material. Application in cold conditions should be halted if the ambient temperature is likely to fall below 10°C. Consideration should be given to the substrate or base slab as it may be considerably different from the surrounding air temperature. When temperatures exceed 30°C during application, working times will be reduced significantly. Correct conditioning of the constituents is essential.

MIXING

MasterEmaco P 102 is a two component product consisting of a base and reactor. The components are pre-weighed and should not be split or divided. Mixing of the base and reactor should continue for at least 1-2 minutes to produce a fully blended uniform material.

APPLICATION:

MasterEmaco P 102 is applied by brush or roller and worked well into the surface. Apply according to stated coverage.

MasterEmaco P 102 should be overlaid whilst it remains tacky. If allowed to cure re-apply within 24 hours.

The following coverage rate has been calculated using theoretical and practical data. Coverage will vary according to the nature of the substrate.

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MasterEmaco P 102 4-6 m²/liter Calculated usage assumes constant application thickness on a regular substrate.

EQUIPMENT

- Scraper
- Vacuum recovery shot blasting machine
- Industrial vacuum
- Masking tape/polythene sheets
- Goggles
- Lighting
- Heaters for cold weather work
- Slow speed drill with suitable paddle
- Industrial gloves
- Barrier cream

EQUIPMENT CARE

Remove **MasterEmaco P 102** from tools and equipment using MasterTop Thinner No. 2 immediately after application.

STORAGE

Store under cover out of direct sunlight and protect from extremes of temperature. In tropical climates the product must be stored in an air conditioned environment. Shelf life up to one year. 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.

SAFETY PRECAUTIONS

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs. Treat splashes to eyes and skin immediately. If accidentally ingested, seek

immediate medical attention. Reseal containers after use. For specific storage and disposal instructions refer to the Material Safety Data Sheet.

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.

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CONTACT

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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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