

# MasterEmaco<sup>®</sup> N 303

Single component polymer modified fairing coat cosmetic mortar for concrete surfaces

## DESCRIPTION

**MasterEmaco N 303** is a single component acrylic polymer modified repair mortar for use as a "fairing coat" or cosmetic mortar. When mixed with water, as directed, a fine grey trowel able mortar results which can readily be applied to fill in pores, blowholes and blemishes on a concrete surface. **MasterEmaco N 303** can be used as a 'skim' coat prior to the application of protective coatings. **MasterEmaco N 303** is specially formulated to produce a shrinkage compensating mortar with no cracking when applied in a thin section. Adhesion to concrete and flexibility are excellent.

## PRIMARY USES

- As a fairing or skim coat to cover and make good blemishes in concrete surfaces such as slight honeycombing, blowholes, defects caused by 'sand runs', patch repairs, shutter movement and grout loss.
- Preparatory treatment to concrete to receive a thin film protective coating.
- To produce a uniform surface over repaired areas.

## ADVANTAGES

- Precision made, consistent results.
- Requires only the addition of mixing water.
- Shrinkage compensating.
- Excellent adhesion to concrete.
- Flexible.
- Smooth, easily produced finish.
- Low permeability
- Excellent resistance to freeze / thaw action and carbonation
- Ingress of water borne salts, such as chloride and atmospheric / chemical attack.
- Subsequent paint coats can be applied with greater economy.

## PACKAGING

**MasterEmaco N 303** is supplied in 25kg bags.

## TYPICAL PROPERTIES

Plastic density: ~1700kg/m<sup>3</sup>

Compressive strength at 28 days 27N/mm<sup>2</sup>

## APPLICATION

**MasterEmaco N 303** should be applied to the complete area with the minimum of troweling. Leave for a short period before final troweling. Finishing may be aided by flicking a small amount of water onto the surface, using a paint brush before final troweling.

When used as a "scrape coat" **MasterEmaco N 303** can be applied with a brush or roller and then the excess scraped off with the edge of a steel float. In this way blow holes and minor blemishes in an otherwise fair faced concrete can be hidden.

## CURING:

Good curing practice is essential even though **MasterEmaco N 303** is specially formulated to prevent shrinkage and cracking. Particular care is required in hot and windy conditions. Cure with a single coat of **MasterKure 181** which is compatible with most subsequent protective coatings, or by covering the work with a properly secured plastic sheeting.

## PREPARATION

It is essential that the surfaces to be bonded are sound, clean and uncontaminated. All loose powdering material must be removed. Concrete surfaces should be thoroughly soaked prior to application of **MasterEmaco N 303**, to ensure a saturated, but surface dry condition

## VOID FILLING:

Deeper voids should be filled prior to the application of a cosmetic coating by reducing the amount of water added when mixing to produce a trowel able putty like mortar.

## MIXING:

**MasterEmaco N 303** is formulated to give an easily mixed material. For full bag quantities, it is preferable to mix the material in a Crete angle or similar forced action mixer. Alternatively, a slow speed, hand held electric mixer with a suitable paddle can be used. Over mixing should be avoided. The powder should be placed in the mixing vessel and mixing commenced. Clean water should be slowly added up to the recommended maximum or until the required consistency is achieved. No more than 4.75 liters of water per 25kg of **MasterEmaco N 303** should be added.

# MasterEmaco® N 303

Single component polymer modified fairing coat cosmetic mortar for concrete surfaces

## COVERAGE

One 25kg bag of **MasterEmaco N 303** will typically yield 16 liters of mortar and will cover approximately 6.3m<sup>2</sup> at 2.5mm thickness.

## EQUIPMENT CARE

Tools should be washed with water immediately after use.

## SPECIFICATION CLAUSE SURFACE FINISHING:

All slight surface imperfections should be made good by the application of **MasterEmaco N 303** as manufactured by Master Builders Solutions. Applications should be strictly in accordance with the manufacturer's instructions.

## STORAGE

Store out of direct sunlight, clear of the ground on pallets protected from rainfall. Avoid excessive compaction. 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'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 medical attention. Reseal containers after use. Use in well ventilated areas and avoid inhalation. For further information 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.

® = 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

## 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.

All descriptions, drawings, photographs, data, ratios, weights i.e. stated herein can be changed without advance notice and do not represent the condition of the product as stipulated by contract. It is the sole responsibility of the recipient of our products to observe possible proprietary rights as well as existing laws and provisions. The reference of trade names of other companies is no recommendation and does not exclude the use of products of similar type. Our information only describes the quality of our products and services and is no warranty. Liability is accepted for incomplete or incorrect particulars in our data sheets only in the event of intent or gross negligence, without prejudice to claims under product liability laws.