

# MasterEmaco® N 303 (Formerly known as Emaco R303)

Single component, polymer modified, fairing coat cosmetic mortar for concrete surfaces

## DESCRIPTION OF PRODUCT

**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 trowelable 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 20kg bags.

## COLOURS

**MasterEmaco N 303** is available in white and grey.

## TYPICAL PROPERTIES

Plastic density:	1700kg/m <sup>3</sup>
Compressive strength at 28 days:	20N/mm <sup>2</sup>

## APPLICATION

**MasterEmaco N 303** should be applied to the complete area with the minimum of trowelling. Leave for a short period before final trowelling.

Finishing may be aided by flicking a small amount of water onto the surface, using a paint brush before final trowelling.

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. This way, blowholes 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.

Curing may take place with a single coat of **MasterKure** range, which is compatible with most subsequent protective coatings.

## 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.

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## 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 trowelable putty like mortar.

## MIXING:

**MasterEmaco N 303** is formulated to give an easily mixed material. However, if hand mixing is necessary, no more than 10kg of **MasterEmaco N 303** should be mixed at a time. For full bag quantities, it is preferable to mix the material in a Creteangle 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 6ltr of water per 20kg of **MasterEmaco N 303** should be added.

## COVERAGE

One 20kg bag of **MasterEmaco N 303** will typically yield 12ltr of mortar and will cover approximately 12m<sup>2</sup> at 1mm 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 BASF Egypt.

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 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 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 BASF representative.

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

## QUALITY STATEMENT

All products manufactured by BASF Egypt, or imported from BASF affiliate companies worldwide, are manufactured to procedures certified to conform to the quality, environment, health & safety management systems described in the ISO 9001:2008, ISO 14001:2004 & OHSAS 18001:2007

\* Properties listed are based on laboratory controlled tests.

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