

MasterEmaco[®] N 307

Single component polymer modified fairing coat. Cosmetic mortar for concrete surfaces

DESCRIPTION

MasterEmaco N 307 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 trowellable mortar results which can readily be applied to fill in pores, blowholes and blemishes on a concrete surface.

MasterEmaco N 307 can be used as a 'skim' coat prior to the application of protective coatings.

MasterEmaco N 307 is specially formulated to produce a shrinkage compensating mortar with no cracking when applied in a thin section <5mm.

TYPICAL APPLICATIONS

- 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 area.

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
- Reduces ingress of water borne salts, such as chlorides and atmospheric / chemical attack
- Subsequent paint coats can be applied with greater economy

PACKAGING AND COLORS

MasterEmaco N 307 is supplied in 20kg bags and available in Light grey.

TYPICAL PROPERTIES*

Plastic density	1700 kg/m ³
Pull off bond strength ASTM D4541	1.5 N/mm ²

APPLICATION GUIDELINES

MasterEmaco N 307 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 307** 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.

SURFACE 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 307**, to ensure a saturated, but surface dry condition.

MIXING

MasterEmaco N 307 is formulated to give an easily mixed material. 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. When mixing full bags, pour 3-4 litres water in the mixing vessel and commence mixing. Add the powder to the water whilst mixing, add water as required to achieve the desired consistency. No more than 7.5 litres of water per 20kg of **MasterEmaco N 307** should be added.

CURING

Good curing practice is essential even though **MasterEmaco N 307** is specially formulated to prevent shrinkage and cracking. Particular care is required in hot and windy conditions.

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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.

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 trowellable putty like mortar.

SPECIFICATION CLAUSE - SURFACE FINISHING

All slight surface imperfections should be made good by the application of **MasterEmaco N 307** as manufactured by Master Builders Solutions. Applications should be strictly in accordance with the manufacturer's instructions.

CLEANING

Tools should be washed with water immediately after use.

COVERAGE / YIELD

One 20kg bag of **MasterEmaco N 307** will typically yield 16 L of mortar and will cover approximately 16 m² at 1mm thickness.

STORAGE AND SHELF LIFE

Store out of direct sunlight, clear of the ground on pallets protected from rainfall. Avoid excessive compaction. The shelf life is 12 months when stored as above.

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.

HEALTH AND SAFETY

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.

QUALITY 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.

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STATEMENT OF RESPONSIBILITY

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NOTE

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



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