

MasterEmaco® N 301

Single component polymer modified fairing coat and filler for pinholes

DESCRIPTION

MasterEmaco N 301 is a single component re-dispersible polymer modified fairing coat for repair of blow holes and blemishes on concrete and masonry surfaces. It can be suitably applied from 0 – 3 mm. It is based on a dry blend which requires on-site mixing with water in order to achieve a smooth grey paste which can be easily applied by trowel.

PRIMARY USES

- Re-profiling material to cover concrete and masonry surfaces such as blowholes, blemishes, sand runs etc.
- To produce a uniform surface over repaired areas.
- Re-profiling up to 3 mm.
- Filling the imperfections in bricks, block works and precast segments.

ADVANTAGES

- Does not require a primer.
- Requires only the addition of mixing water.
- Smooth, easily produced finish.
- Sound adhesion to concrete and masonry.
- Flexible
- Does not require curing under normal conditions
- Excellent resistance to freeze / thaw cycles
- Filling and sealing hairline cracks
- Subsequent paint coats can be applied with greater economy.

PACKAGING

MasterEmaco N 301 is supplied in 20kg bags.

TYPICAL PROPERTIES

Color	Light grey
Plastic density	~1850kg/m ³
Compressive Strength at 28 days	>25N/mm ²

Note: Water: Powder Ratio of 0.3 : 1

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 301**, to ensure a saturated, but surface dry condition.

APPLICATION

MasterEmaco N 301 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.

Final finishing can be performed by striking off with a straight edge and closing with a steel trowel or plastic float. When used as a "scrape coat" **MasterEmaco N 301** 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:

Under normal temperature conditions up to 40C, curing is not essential. Temperatures in excess of 40C may require curing practice. Curing can be performed by covering the application with a properly secured plastic sheeting. Alternatively, **MasterKure 181** can also be applied in thin coat as a curing membrane.

DESIGN

MasterEmaco N 301 is designed for vertical and overhead applications. The product is suitable for applications from feather-edge up to 3 mm thickness including rendering over large areas.

MIXING:

MasterEmaco N 301 In case of full pack mixing, 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. When mixing full bags, 6 liters water in the mixing vessel and commence mixing. Add the powder to the water while mixing. In case of part mixing the ratio by volume is 1 part of water with 3 parts of powder.

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COVERAGE

One 20kg bag of **MasterEmaco N 301** will typically yield 14 liters and will cover approximately 16m² at 1mm application thickness.

EQUIPMENT CARE

Tools should be washed with water immediately after use.

SURFACE FINISHING:

All surface imperfections should be repaired by the application of **MasterEmaco N 301** as manufactured by Saudi 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.

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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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