

MasterEmaco[®] N 105

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

DESCRIPTION

MasterEmaco N 105 is a dry pre-mixed polymer modified cementitious coating based on hydraulic binders, siliceous filler, water retaining agents and other admixtures.

TYPICAL APPLICATIONS

MasterEmaco N 105 is used as a render in one or two coats, on walls and ceilings in internal and external conditions.

It can be used to fill pinholes prior to over coating, for general repro-filling over large areas, up to 3mm thickness when used as a fairing coat.

Admissible substrates

Concrete and masonry surfaces

Associated coatings

MasterEmaco N 105 can be covered with:

- Texture coatings
- Acrylic decorative paints
- Wallpaper

PACKAGING

MasterEmaco N 105 is available in 25 kg bags.

TYPICAL PROPERTIES*

Density	~1850 kg/m ³
Working time @ 25°C	60 min
Setting time @ 25°C	90 min
Compressive strength @ 28 days BS EN 196-1:2005	>20 MPa
Flexural strength @ 28 days BS EN 196-1:2005	>5 MPa
Pull off strength ASTM D4541	>0.5 MPa

APPLICATION GUIDELINES

PREPARATION OF SUBSTRATE

The substrate should be sound, clean free from any dust or demoulding products and oils. Roughen the surface to remove any laitance.

The surface should be dampened down with chilled potable water in hot weather. It should not be excessively hot (<40°C) or frozen.

MIXING

The **MasterEmaco N 105** paste is obtained by mixing a 25 kg bag with 7.0 L to 7.5 L of clean cool water, using a suitable mixer. The paste should be mixed vigorously until fully homogeneous.

Ideal application temperature is between +5°C and +35°C. If the application temperature is higher than 35°C, make sure to use chilled water to keep the mixed mortar temperature below 30°C and that the surface has been well saturated to lower its surface temperature.

Apply the paste with a steel trowel, block-brush or sponge (as required / preferred). It should be allowed to partly set before smoothing. If a very smooth finish is required, a small amount of water may be sprayed on to the surface of the **MasterEmaco N 105** prior to final smoothing.

CURING

MasterEmaco N 105 should be cured with clean water for at least three days by spraying twice a day. Protect from direct exposure to sunlight by providing shade.

CLEANING

Clean tools with water immediately after use.

COVERAGE / YIELD

A 25 kg bag of **MasterEmaco N 105** will yield approximately 17.3 L of mortar.

One bag of **MasterEmaco N 105** will cover 17.3 m² at thickness of 1 mm. This coverage is theoretical and depends upon the surface profile of the substrate and the wastage.

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WATCHPOINTS

During the summer months or where elevated ambient temperatures are encountered the **MasterEmaco N 105** should be mixed using chilled water to ensure that the mixed temperature does not exceed 30°C.

Do not add cement, sand or any other fillers etc which may affect its properties.

Do not add water or fresh mortar to material which has begun to set.

STORAGE AND SHELF LIFE

MasterEmaco N 105 should be stored in dry conditions out of direct sunlight. The shelf life is 12 months when stored as above.

HEALTH AND SAFETY

Avoid contact with eyes and prolonged contact with skin. In case of contact with eyes immediately flush for at least 15 minutes with fresh clean water. Call a physician. In case of contact with skin wash skin thoroughly.

QUALITY AND CARE

All products originating from the Master Builders Solutions facility in Dubai are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health and safety standards ISO 9001 and ISO 14001.

* Properties listed are based on laboratory controlled tests.

® = Registered trademark of the MBCC Group in many countries.

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