

MasterEmaco[®] N 202

A single component cementitious blowhole filler and levelling mortar for cosmetic repairs to new construction

DESCRIPTION

MasterEmaco N 202 is a combination of Portland cement, well graded sands and special additives.

When mixed with water **MasterEmaco N 202** produces a smooth cementitious paste ideally suited to filling of small surface defects and blowholes thin layers of up to 3 mm maximum.

TYPICAL APPLICATIONS

Surface leveling and blowhole filling for all concrete elements such as

- Beams, columns, and walls in high rise buildings
- Columns, Piers and cross beams on highway structures
- Cooling towers and chimneys and other industrial structures

ADVANTAGES

- Excellent workability for easy mixing, and fast application
- Improved bond to substrate
- Compatible with **MasterProtect** protective coatings
- Concrete coloured when cured

PACKAGING

MasterEmaco N 202 is available in 25 kg bags.

TYPICAL PROPERTIES*

Working time @ 25°C	60 min
Setting time @ 25°C	90 min
Density	~1850 kg/m ³
Compressive strength @ 28 days ASTM C109-98	>15 N/mm ²
Pull off strength ASTM D4541	>1 N/mm ²

APPLICATION GUIDELINES

SURFACE PREPARATION

All areas to be treated must be clean, sound and free from all dirt dust, loose material and any oil or grease which would impair adhesion.

PRIMING

The substrate should be thoroughly soaked, to a saturated but surface dry condition prior to application of the **MasterEmaco N 202**.

MIXING

It is recommended that only full bags of 25 kg are mixed.

MasterEmaco N 202 should be mixed by mechanical means with a slow speed drill and spiral paddle.

The required amount of gauging water should be placed in the mixing bucket and the **MasterEmaco N 202** powder added and mixed for approximately 3 minutes until a smooth, creamy and lump free consistency is achieved.

The water additions shall be a maximum of 6 L per 25 kg bag.

PLACING / APPLICATION

Following mixing the **MasterEmaco N 202** can be applied by brush or the edge of a steel float and scraped into substrate to fill all blowholes and minor surface defects. A fine mist spray of clean water should be applied to the finished surface. The hardened **MasterEmaco N 202** can then be smoothed using sandpaper.

Alternatively, **MasterEmaco N 202** can be applied as a leveling mortar by steel float up to 3 mm thick. The final finishing shall be by steel float or with a damp sponge depending upon the finish required. **MasterEmaco N 202** can be overcoated 24 hours after application.

CURING

Generally curing is not necessary for cosmetic repair mortars however particular care is required in hot and/or windy conditions. Where a curing membrane is specified this can be using a curing membrane from the **MasterKure** range.

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COVERAGE / YIELD

A 25 kg bag of **MasterEmaco N 202** will yield approximately 16.75 L of mortar.
 One bag of **MasterEmaco N 202** will cover 16.75 m² at thickness of 1 mm. This coverage is theoretical and depends upon the surface profile of the substrate and the wastage.

WATCHPOINTS

During the summer months or where elevated ambient temperatures are encountered the **MasterEmaco N 202** should be mixed using chilled water to ensure that the mixed temperature does not exceed 32°C.

Do not add cement sand, or 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 202 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.

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