

# MasterEmaco® N 5150

Cementitious polymer modified thin layer fairing mortar

## DESCRIPTION

**MasterEmaco N 5150** is a ready-to-use mortar based on hydraulic binders, high grade quartz sands and modified with synthetic polymers. It contains no chlorides or other salts that might cause corrosion or blooming.

## RECOMMENDED USES

**MasterEmaco N 5150** is especially suitable for levelling uneven surfaces, filling honeycombs and pin holes for non-structural applications.

**MasterEmaco N 5150** is ideal for thin resurfacing of damaged concrete surfaces.

## FEATURES AND BENEFITS

- **Multi-purpose** – allows thin layer patching and feather edging.
- **Strong adhesion** – bonds permanently to existing concrete.
- **Thixotropic material** - quick and easy to apply by trowel vertically and overhead.
- **Durable** - weatherproof and shrinkage compensated.
- **Fast return to service** - high early strength and excellent bonding.

## PROPERTIES

Bond (to substrate)	> 2.5 MPa
Supply form	powder
Water added per kg (20kg)	Up to 1 litre
Colour	Off white
Storage temperature	5-35°C
Application temperature	not below 10°C
Working time at 20°C	20 minutes
At 30°C	15 minutes
VOC Content: 7g/L	
Test method: SCAQMD: 304-91	

## APPLICATION

### Substrate Condition

Surfaces to which **MasterEmaco N 5150** mixtures are to be applied, should be clean, sound and free of dust and loose particles.

Cement laitance, oil, grease, mould release oil or curing compound must be removed from concrete surfaces by using wire brush, bush hammer, scabblers, gritblasting or other means to leave the concrete surface profile with an ICRI

310.2R CSP of 1 to 3. Spalled or deteriorated concrete should be repaired with a suitable MasterEmaco mortar such as MasterEmaco N 5200CI or S 5300CI prior to the application of **MasterEmaco N 5150**.

All absorbent surfaces to be treated with **MasterEmaco N 5150** mortars must be thoroughly dampened to saturate all pores. During application, the temperature of the substrate should not be below 10°C.

To avoid too high surface temperatures it is advised to shade areas for the period of application.

### Mixing

Pour water approximately 1 litre of water per kg of powder into a suitable pail and add MasterEmaco N 5150 powder whilst mixing continuously until a homogeneous, lump-free mix is obtained. Adjust water to give a suitable consistency dependent on ambient temperature and relative humidity. In hot and dry climates, slightly higher amounts of water may be necessary, the contrary in cold and humid climates.

Use a low speed stirrer (300-600) with an upward mixing helical mixing paddle to entrap as little air as possible.

Do not mix **MasterEmaco N 5150** with additional cement, sand or aggregate.

**Priming** is not required except for dampening.

### Method of use

Apply the well-mixed **MasterEmaco N 5150** without delay to the prepared damp surface with a spatula or trowel; thin layers may be applied with a brush. A minimum temperature of 10°C is essential. Layers from feather edge up to a maximum of 3mm per coating can be applied.

Depending on the finish desired, treat the surface of **MasterEmaco N 5150** after it starts to set with a foam or sponge trowel.



We create chemistry

# MasterEmaco<sup>®</sup> N 5150

## ESTIMATING DATA

A 1kg of **MasterEmaco N 5150** mixed with 1 litres of water yields 2 litres (0.002m<sup>3</sup>),

L	Thickness in mm /m <sup>2</sup>	m <sup>3</sup>	m <sup>2</sup> /mm thickness
2	2mm	(0.002)	2 m <sup>2</sup>

## PACKAGING

**MasterEmaco N 5150** is available in 20kg bags.

## SHELF LIFE

**MasterEmaco N 5150** has a shelf life of 12 months. Store inside out of direct sunlight, clear of the ground on pallets.

## PRECAUTIONS

For the full health and safety hazard information and how to safely handle and use this product, please make sure that you obtain a copy of the BASF Safety Data Sheet (SDS) from BASF office or website.

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### STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this BASF publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

### NOTE

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#### BASF Emergency Advice:

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