

**DECLARATION OF PERFORMANCE**  
**No. BE0029/02**

1. Unique identification code of the product-type:

**MasterEmaco N 5100 FC (No. BE0029/02)**

2. Intended use or uses:

**EN 1504-3 Methods 3.1 / 3.2 / 3.3 / 7.1 / 7.2**  
**Polymermodified mortar based on hydraulic cement (PCC) for**  
**non structural repair of concrete structures**

3. Manufacturer:

**Master Builders Solutions Belgium nv**  
**Nijverheidsweg 89**  
**B – 3945 Ham**

4. System/s of AVCP:

**System 2+**  
**System 4 (for uses subject to reaction to fire regulations)**

5. Harmonised standard / notified body/ies:

**EN 1504-3:2005**

**BCCA (identification number 0749)**  
**Rue d'Arlon 53**  
**B – 1040 BRUSSELS**

performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control under system 2+ and issued: 0749-CPR-BC2-563-24047-0002-001 Certificate of conformity of the factory production control.

6. Declared performance(s) (MasterEmaco N 5100 FC/FC Light Grey)

| Essential characteristics        | Performance                               | System of assessment and verification of constancy of performance | Harmonised technical specification |
|----------------------------------|---|---|------------------------------------|
| Reaction to fire                 | NPD                                       | System 4  | EN 1504-3 : 2005                   |
| Compressive strength             | Class R2                                  | System 2+   |                                    |
| Chloride ion content             | ≤ 0,05 %                                  |   |                                    |
| Adhesive bond                    | ≥ 0,8MPa                                  |   |                                    |
| Carbonation resistance           | NPD                                       |   |                                    |
| Elastic modulus                  | NPD                                       |   |                                    |
| Restrained shrinkage/expansion   | NPD                                       |   |                                    |
| Thermal compatibility            | ≥ 0,8 MPa<br>≥ 0,8 MPa<br>≥ 0,8 MPa       |   |                                    |
| - Freeze-thaw                    |   |   |                                    |
| - Thunder shower                 |   |   |                                    |
| - Dry cycling                    |   |   |                                    |
| Skid resistance                  | NPD                                       |   |                                    |
| Coefficient of thermal expansion | NPD                                       |   |                                    |
| Capillary absorption             | ≤ 0,5 kg/m <sup>2</sup> •h <sup>0,5</sup> |   |                                    |
| Dangerous substances             | Comply with 5.4 (EN 1504-3)               |   |                                    |

NPD: no performance determined

The performance of the product identified above is in conformity with the set of declared performance/s. The declaration of performance is issued, in accordance with Regulations (EU) No. 305/2011 and No. 574/2014 under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:



Erik Herremans  
Head of Production Benelux &  
Site Manager



Bram Thijs  
Laboratory Manager

Ham, 05.03.2021