

DECLARATION OF PERFORMANCE
No. BE0033/02

1. Unique identification code of the product-type:

MasterEmaco S 5450 PG (No. BE0033/02)

2. Intended use or uses:

EN 1504-3 Methods 3.1 / 3.2 / 4.4 / 7.1 / 7.2
Cement based mortar (CC) for 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 S 5450 PG)

Essential characteristics	Performance	System of assessment and verification of constancy of performance	Harmonised technical specification
Reaction to fire	Class A1	System 4	EN 1504-3 : 2005
Compressive strength	Class R4	System 2+	
Chloride ion content	≤ 0,05 %		
Adhesive bond	≥ 2,0 MPa		
Carbonation resistance	pass		
Elastic modulus	> 20 GPa		
Restrained shrinkage/expansion	NPD		
Thermal compatibility			
- Freeze-thaw	≥ 2.0 MPa		
- Thunder shower	≥ 2.0 MPa		
- Dry cycling	≥ 2.0 MPa		
Skid resistance	NPD		
Coefficient of thermal expansion	NPD		
Capillary absorption	≤ 0,5 kg/m ² •h ^{0,5}		
Dangerous substances	Comply with 5.4 (EN 1504-3)		

NPD: no performance determined

Performance without further testing: Reaction to fire: class A1
 Fulfilled requirements: Organic content < 1 % in weight

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, 09.03.2021