

**DECLARATION OF PERFORMANCE**  
**No. BE0045/02**

1. Unique identification code of the product-type:

**MasterEmaco T 545 (No. BE0045/02)**

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:

**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 T 545)

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		
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

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