

**EU-Declaration of Performance**

*In accordance with Annex III of Regulation (EU) No. 305/2011  
(Construction Product Regulation)*

For the product: **MasterSeal M 452**  
**No. 00178**

1. Unique identification of the product-type:

**EN 1504-2:2004 Principles: 2.2 / 5.1 / 8.2**

2. Type, batch or serial number or other identifying mark to identify the construction product as set out in Article 11 (4):

**Batch number: See product label under “Lot”**

3. intended use as foreseen by the manufacturer of the construction product in accordance with the harmonised technical specification:

**EN 1504-2:2004**  
**Surface protection systems for concrete: Coating (C)**

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as set out in Article 11 (5):

**Master Builders Solutions España, S.L.U.**  
**Ctra. de l’Hospitalet, 147-149, Edificio Viena 1a Planta,**  
**08940 Cornellà de Llobregat, Barcelona (Spain)**

5. When applicable, the name and contact address of the authorized representative who has received a mandate for the tasks set out in Article 12(2):

**Not relevant**

6. System or systems for assessment and verification of constancy of performance of the construction product in accordance with Annex V:

**EN 1504-2:2004**  
**System 2+: In building and civil engineering works**

7. In the case of a declaration of performance concerning a construction product that is covered by a harmonized standard:

**Aenor Génova 6**  
**28004 Madrid**  
**CE identification number: 0099**

The notified body has carried out initial inspection of the products and factory production control as well as continuous surveillance, assessment and evaluation of factory production control concerning emissions according to system 2+ and issued the following:

**CE Certificate of Factory Production Control:  
No.0099/CPR/B15/0044**

8. In case of a declaration of performance concerning a construction product for which a European Technical Assessment was issued:

**Not relevant**

9. Declared performance:

Performance Characteristics	Harmonised technical	Performance
Linear shrinkage	EN 1504-2:2004	NPD
Coefficient of thermal expansion	EN 1504-2:2004	NPD
Adhesion by cross-cut test	EN 1504-2:2004	NPD
Capillary absorption and permeability to water	EN 1504-2:2004	< 0,1 Kg/m <sup>2</sup> h <sup>0.5</sup>
Water vapour permeability	EN 1504-2:2004	Class I
Permeability to CO <sub>2</sub>	EN 1504-2:2004	Sd > 50 m
Freeze-thaw cycles	EN 1504-2:2004	> 1,5 N/mm <sup>2</sup>
Cooling cycles (heat shock)	EN 1504-2:2004	NPD
Thermal cycling	EN 1504-2:2004	NPD
Adhesion after thermal compatibility: Aging 7 days at 70 °C	EN 1504-2:2004	NPD
Resistance to thermal shock	EN 1504-2:2004	NPD
Chemical resistance	EN 1504-2:2004	NPD
Crack resistance (static)	EN 1504-2:2004	23° C: Class A3 -10° C: Class A3
Crack resistance (dynamic)	EN 1504-2:2004	NPD
Adhesion strength by pull-off test	EN 1504-2:2004	> 1,0 N/mm <sup>2</sup>
Slip / skid resistance	EN 1504-2:2004	NPD
Behaviour after artificial weathering	EN 1504-2:2004	NPD
Antistatic behaviour	EN 1504-2:2004	NPD
Adhesion on wet concrete	EN 1504-2:2004	NPD
Compressive strength	EN 1504-2:2004	NPD
Abrasion resistance	EN 1504-2:2004	< 3000 mg
Impact resistance	EN 1504-2:2004	Class III
Resistance to severe chemical attack (reduction in hardness < 50%)	EN 1504-2:2004	Group 5a: Class I Group 9: Class I Group 10: Class I Group 11: Class I Group 12: Class I Group 5a: Class II Group 9: Class II Group 11: Class II Group 12: Class II

Diffusion of chloride ions	EN 1504-2:2004	NPD
Reaction to fire	EN 1504-2:2004	Class F
Dangerous substances	EN 1504-2:2004	See MSDS for more information

NPD: **N**o **P**erformance **D**etermined

10. The performance of the product set out in numbers 1 and 2 corresponds to the declared performance set out in number 9. The manufacturer as defined in number 4 is solely responsible for drawing up this declaration of performance.

*Signed for and on behalf the manufacturer:*

**Master Builders Solutions España, S.L.U.**



Andreas Fleischhauer

Market Manager Master Builders Solutions España, S.L.U.