

DECLARATION OF PERFORMANCE

n° IT0042/02
MasterSeal 545

1) Unique identification code of the product type

EN 1504-2 Methods 1.3C/2.2C/5.1C/6.1C/8.2C and EN 14891

2) Intended use or uses

**Surface protection system for concrete
Water impermeable products for use beneath ceramic tiling bonded with adhesives**

3) Manufacturer

Master Builders Solutions Italia SpA, via Vicinale delle Corti 21, 31100 Treviso

4) System or systems of assessment and verification of constancy of performance (AVCP)

EN 1504-2: System 2+ , EN 14891: System 3

5) Harmonized standard

EN 1504-2:2005 ; EN 14891:2012

6) Notified body/ies

EN 1504-2 : ICMQ SpA, n° identification 1305

EN 14891 : The notified testing laboratory SOCOTEC ITALIA srl, number identification 1308, carried out the determination of the product-type on the basis of type testing on samples taken by the manufacturer, under system 3, and issued the test reports n°LF22763-64-65/21 and 616-617-618-619 620-621-622-623-624-625-626-627-628-629/09

7) Declared performances

Essential characteristics	Performance	Harmonized technical specification
Waterproofing	No penetration	EN 14891: 2012
Crack bridging ability under standard conditions	≥ 0,75 mm	
Crack bridging ability at low temperature (- 5 °C)	≥ 0,75 mm	
Initial tensile adhesion strenght	≥ 0,5 MPa	
tensile adhesion strength after water contact	≥ 0,5 MPa	
tensile adhesion strength after heat ageing	≥ 0,5 MPa	
tensile adhesion strength after freeze-thaw cycles	≥ 0,5 MPa	
tensile adhesion strength after contact with chlorinated water	≥ 0,5 MPa	
tensile adhesion strength after contact with lime water	≥ 0,5 MPa	
Resistance to severe chemical attack	Class II (liquid 11 and 12)	
Abrasion resistance	<3000 mg	
Impact resistance	≥ 20 N.m	
Permeability to CO ₂	SD > 50	
Capillary absorption	≤ 0,1 kg/m ² .h ^{0,5}	
Thermal compatibility	≥ 0,8 MPa	
Adhesion strenght	≥ 0,8 MPa	
Water vapour permeability	Class I	
Crack bridging ability	Class A4, B2	
Artificial weathering	No blistering, no cracking, no flacking	
Reaction to fire	Class F	

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued in accordance with Regulation (EU) No. 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Dario Micheletto

Resp. Quality Control Treviso, 07 April 2021

Micheletto Dario