

DECLARATION OF PERFORMANCE

according Annex III of the Regulation (EU) No 305/2011
amended by Commissions delegated Regulation (EU) No 574/2014

No 216001

Unique identification code of the product-type: **MasterSeal Roof 2160**

Intended use/es:

EN 1504-2
Surface protection products – Coating

Manufacturer: **Master Builders Solutions Deutschland GmbH**
Donnerschweer Str. 372
D-26123 Oldenburg

System/s of AVCP:

EN 1504-2: System 2+ (for uses in buildings and civil engineering works)
System 3 (for uses subject to *reaction* to fire regulations)

Harmonised standard: EN 1504-2:2004

Notified body/ies:

KIWA Polymer Institut
D-65439 Flörsheim-Wicker
(CE identification number: 1119)

Reaction to fire:

Istituto Giordano
I-47814 Bellaria
(CE identification number: 0407)

Declared performance/s: **EN 1504-2:**

The product is used in surface protection system:

MasterSeal Roof 2160

consisting of components:

Primer: MasterSeal P 681, P 682, P 684, P 691 and P 698;
MasterTop P 604 and P 617
Membrane: MasterSeal M 860, MasterSeal M 861
Top coat: MasterSeal TC 269

Table 1: Performance in system

Essential characteristics	Performance	System of assessment and verification of constancy of performance	Harmonised Technical specification
Linear shrinkage	NPD	System 2+	EN 1504-2:2004
Compressive strength	NPD		
Coefficient of thermal expansion	NPD		
Abrasion resistance	NPD		
Cross cut	NPD		
Permeability to CO ₂	s _D > 50 m		
Water vapour permeability	class I		
Capillary absorption and permeability to water	w < 0,01 kg/m ² x h ^{0,5}		
Thermal compatibility	> 3 MPa		
Resistance to thermal shock	NPD		
Chemical resistance	NPD		
Resistance to severe chemical attack	reduction in hardness < 50 %		
Crack bridging ability	Static: A5 (-10 °C) Dynamic: B4.2 (23 °C)		
Impact resistance	Class III		
Adhesion strength by pull off test	≥ 1,5 N/mm ²		
Reaction to fire	Broof-T2	System 3	
Skid resistance	NPD	System 2+	
Artificial aging	OK		
Antistatic behaviour	NPD		
Adhesion on wet concrete	NPD		
Release of dangerous substances	NPD		

Appropriate Technical Documentation and/or Specific Technical Documentation:

Appropriate Technical Documentation to reaction to fire class Broof-T2

TR 331664 accor. TS 1187:2012

CR 331665 accor. EN ISO 13501-5 Broof-T2

The performance of the product identified above is in conformity with the set of declared performance/s. 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:



Klaus Claassen
Product Manager Waterproofing Resins Europe

Oldenburg, 04.01.2021

Annex:

Technical data sheets for use in buildings (system build-ups according to respective technical data sheets)