

## DECLARATION OF PERFORMANCE

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

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**No 479001**

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Unique identification code of the product-type: **MasterSeal M 790**

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Intended use/es: **EN 1504-2**  
Concrete protection and repair products

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

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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)

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Harmonised standard: EN 1504-2:2004

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Notified body/ies:

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

**LGAI Technological Center S.A.**  
**E-08193 Bellaterra (Barcelona)**  
**(CE identification number: 0370)**

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

The product **MasterSeal M 790** is used in surface protection system:

**MasterSeal 7000 CR**

consisting of components:  
MasterSeal P 770  
MasterSeal M 790

**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	weight loss < 3000 mg		
Cross cut	NPD		
Permeability to CO <sub>2</sub>	s <sub>D</sub> > 50 m		
Water vapour permeability	class III		
Capillary absorption and permeability to water	w < 0,1 kg/m <sup>2</sup> x h <sup>0,5</sup>		
Thermal compatibility	≥ 1,5 N/mm <sup>2</sup> passed		
Resistance to thermal shock	NPD		
Chemical resistance	NPD		
Resistance to severe chemical attack Class I: 4a,6a,9a,13,15 Class III:1,2,3,4,5,5a,6,7,9,10,11,12,14,15a	reduction in hardness < 50 %		
Crack bridging ability	A3 (23°C), A2 (-10°C) B3.1 (23°C), B2 (-10°C)		
Impact resistance	class III		
Adhesion strength by pull off test	≥ 1,5 N/mm <sup>2</sup>		
Reaction to fire	Class E	System 3	
Skid resistance	NPD	System 2+	
Artificial weathering	Passed		
Antistatic behaviour	NPD		
Adhesion on wet concrete	2.2 N/mm <sup>2</sup>		
Release of dangerous substances	Comply with 5.3 (EN 1504-2)		

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)