

# Declaration of Performance



## MC-DUR LF 680

Reference number of the Declaration of Performance: IN5016000

1. Unique ID code of the product type	MC-DUR LF 680
2. Application(s)	Surface protection products – Coating Protection against ingress (1.3) Moisture control (2.2) Physical resistance (5.1) Increasing resistivity (8.2)  Synthetic resin screed for internal uses
3. Manufacturer	MC-Bauchemie Müller GmbH & Co. KG Am Kruppwald 1-8 46238 Bottrop / Germany
4. Authorized representative	-
5. System of AVCP	System 2+ (for uses in buildings and civil engineering works)
6. Harmonised standard	EN 1504-2: 2004
7. Notified body	Institut für Massivbau und Baustofftechnologie Universität Karlsruhe (TH) ID code 0754

8. Declared performances

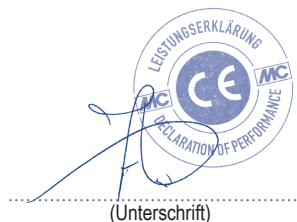
Essential characteristic	Performance	harmonised technical specification
Linear shrinkage	≤ 0,3%	EN 1504-2: 2004
Coefficient of thermal expansion	Rigid systems for outdoor use: $\alpha T \leq 30 \times 106 \text{ K}^{-1}$	
Wear resistance	< 3000 mg	
Cross-cut test to determine adhesive strength	≤ GT2	
CO2 permeability	sD > 50 m	
Water vapour permeability	Class III sD > 50 m	
Capillary water absorption	< 0,1 kg/m <sup>2</sup> h-0,5	
Freeze-thaw cycling with de-icing salt attack	No blisters, no cracks, no spalling	
Ageing: 7 days at 70 °C	Rigid systems without traffic load: ≥ 1.0 (0.7)	
Resistance to thermal shock	Rigid systems with traffic load: ≥ 2.0 (1.5)	
Resistance to chemicals	No visible defects	
Resistance to strong chemical attack	Reduction in hardness of less than 50%	
Impact strength	Class I: ≥ 4 Nm Class II: ≥ 10 Nm Class III: ≥ 20 Nm	
Tear-off test to determine adhesive strength	≥ 2,0 N/mm <sup>2</sup>	
Fire behaviour	class E <sub>fl</sub> -s1	
Hazardous substances	EN 1504-2, Pkt. 5.3	

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 (amended by Commissions delegated Regulation (EU) No 574/2014), under the soleresponsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

van Diemen  
Head of research and development and quality control

Bottrop, 28.05.2021  
(place and date of issue)



(Unterschrift)

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Annex

According to Art. 6 (5) of the Regulation (EU) No. 305/2011 a Safety Data sheet according Regulation (EU) No. 1907/2006(REACH), Annex II is attached to this Declaration of Performance.