

Nafufill KM 180

Reference number of the Declaration of Performance: IN4433000

1. Unique ID code of the product type	Nafufill KM 180
2. Application(s)	Product for structural and non-structural repair for concrete Manual mortar application (3.1) Cross-section supplementation with mortar or concrete (4.4) Increasing cover to reinforcement with additional cementitious mortar of concrete (7.1) Replacing contaminated concrete (7.2)
3. Manufacturer	MC-Bauchemie Müller GmbH & Co. KG Am Kruppwald 1-8 46238 Bottrop / Germany
4. Authorized representative	MC-Bauchemie Müller GmbH & Co. KG Am Kruppwald 1-8 46238 Bottrop / Germany
5. System of AVCP	System 1+ (voluntary*) System 2+ (for uses in buildings and civil engineering works)
6. Harmonised standard	EN 1504-3: 2005
7. Notified body	*Kiwa GmbH MPA Berlin-Brandenburg ID number: 0770 Institut für Massivbau und Baustofftechnologie Universität Karlsruhe (TH) ID code 0754

8. Declared performances

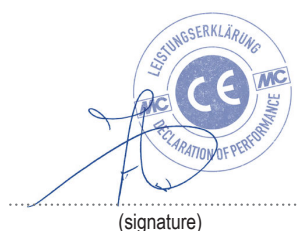
Essential characteristic	Performance	AVCP	harmonised technical specification
Compressive strength	class R4	System 2+	EN 1504-3: 2005
Chloride ion content	≤ 0.05%		
Adhesive power	≥ 2.0 MPa		
Resistance to carbonation	passed		
Modulus of elasticity	≥ 20 GPa		
Thermal shock tolerance Part 1	≥ 2.0 MPa		
Thermal shock tolerance with freeze-thaw cycling and exposure to de-icing salts	≥ 2.0 MPa		
Thermal compatibility with thunder-shower cycling (thermal shock)	≥ 2.0 MPa		
Capillary water absorption	0.14 kg/m ² ·h ^{0.5}		
Fire behaviour	A2 _{fl} -s1		
Hazardous substances	EN 1504-3, pt. 5.4		

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:

John van Diemen
Head of Research & Development and Quality

Bottrop, 13.10.2023
(place and date of issue)



(signature)

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.