

MC-PowerFlow 1102

Reference number of the Declaration of Performance: 1173000

1. Unique ID code of the product type	MC-PowerFlow 1102
2. Application(s)	
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 934-2: 2009+A1: 2012
7. Notified body	Institut für Massivbau und Baustofftechnologie Universität Karlsruhe (TH) ID code 0754 EN 934-2 T3.1, T3.2; T2

9. Declared performances

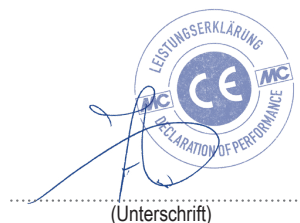
Essential characteristic	Performance	AVCP	harmonised technical specification
Chloride content	max. 0,10 % by mass	System 2+	EN 934-1
Alkaline content	max. 1,0 % by mass		
Corrosion behaviour	Contains components only from EN 934-1 : 2008, Annex A.1		
Compressive strength with reduction in water requirement	At 1 day: ≥ 140 % of control mix At 28 days: test mix ≥ 115 % of control mix	System 2+	EN 934-2: 2009 + A1: 2012 Table 3.1
Reduction in water requirement	In test mix ≥ 12 % compared with control mix		
Compressive strength	At 7 and 28 days: test mix ≥ 110 % of control mix	System 2+	EN 934-2: 2009 + A1: 2012 Table 2
Reduction in water requirement	In test mix ≥ 5 % compared with control mix		
Air content of the fresh concrete with reduction in water requirement	Test mix ≤ 2 % by volume above control mix	System 2+	EN 934-2: 2009 + A1: 2012 Table 2 + 3.1
Compressive strength with enhancement of consistency	At 28 days: test mix ≥ 90 % of control mix	System 2+	EN 934-2: 2009 + A1: 2012 Table 3.2
Enhancement of consistency	Increase in flow ≥ 160 mm from initial (350 \pm 20) mm		
Air content of the fresh concrete with enhancement of consistency	Test mix ≤ 2 % by volume above control mix		

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)

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.