

Declaration of Performance



MC-PowerFlow 5104

Reference number of the Declaration of Performance: 1315800

1. Unique ID code of the product type	MC-PowerFlow 5104
2. Application(s)	High range water reducing admixtures/superplasticizing admixture for concrete - EN 934-2:T 3.1/3.2; EN 934-2: T2
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

8. Declared performances


Essential characteristic	Performance	AVCP	harmonised technical specification
Chloride content	max. 0.10% by mass	System 2+	EN 934-1
Alkaline content	max. 2.0 % by mass		
Corrosion behaviour	Contains components only from EN 934-1 : 2008, Annex A.1		
Compressive strength	after 7 and 28 days: Test mixture ≥ 110 % of the control mixture	System 2+	EN 934-2: 2009 + A1: 2012 Table 2
Reduction in water requirement	with test mixture ≥ 5 % in comparison with control mixture		
Air content of the fresh concrete with reduction in water requirement	Test mixture ≤ 2 % by volume above the control mixture	System 2+	EN 934-2: 2009 + A1: 2012 Table 2 + 3.1
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	with test mixture ≥ 12 % in comparison with control mixture		
Retention of consistency	30 min after the addition the consistence of the test mix shall not fall below the value of the initial consistence of the control mix	System 2+	EN 934-2: 2009 + A1: 2012 Table 3.2
Compressive strength with enhancement of consistency	after 28 days: Test mixture ≥ 85 % of the control mixture		
Enhancement of consistency	Increase in flow ≥ 160 mm from initial (350 ± 20) mm		
Air content of the fresh concrete with enhancement of consistency	Test mixture ≤ 2 % by volume above the control mixture		
Hazardous substances	Regulation (EC) No. 1907/2006, see safety data sheet	System 2+	EGVO

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)



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(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.