

MC-PowerFlow 1120

Reference number of the Declaration of Performance: 1152000

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|---------------------------------------|---|
| 1. Unique ID code of the product type | MC-PowerFlow 1120 |
| 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 T11.1, T11.2; 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. 1.0 % 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 | | |
| 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 \pm 20) mm | | |
| 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 |
| 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)



(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.