

## MC-PowerFlow 2240

Reference number of the Declaration of Performance: 1163000

|                                       |                                                                                                                             |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| 1. Unique ID code of the product type | MC-PowerFlow 2240                                                                                                           |
| 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<br>Am Kruppwald 1-8<br>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<br>Universität Karlsruhe (TH)<br>ID code 0754<br><br>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. 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 $\geq$ 110 % of the control mixture                                                                  | System 2+ | EN 934-2: 2009 + A1: 2012 Table 2       |
| Reduction in water requirement                                        | with test mixture $\geq$ 5 % in comparison with control mixture                                                                        |           |                                         |
| Air content of the fresh concrete with reduction in water requirement | Test mixture $\leq$ 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: $\geq$ 140 % of control mix<br>at 28 days: test mix $\geq$ 115 % of control mix                                              | System 2+ | EN 934-2: 2009 + A1: 2012 Table 3.1     |
| Reduction in water requirement                                        | with test mixture $\geq$ 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 $\geq$ 85 % of the control mixture                                                                         |           |                                         |
| Enhancement of consistency                                            | Increase in flow $\geq$ 160 mm from initial (350 $\pm$ 20) mm                                                                          |           |                                         |
| Air content of the fresh concrete with enhancement of consistency     | Test mixture $\leq$ 2 % by volume above the control mixture                                                                            |           |                                         |
| Hazardous substances                                                  | Regulation (EC) No. 1907/2006, see safety data sheet                                                                                   | System 2+ | EGVO                                    |

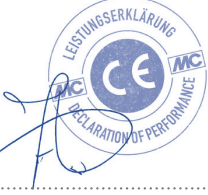
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The performance of the product identified above is in conformity with the set of declared performance/s. This Declaration of Performance is issued in accordance with Regulation (EU) No 305/2011 (amended by Commissions delegated Regulation (EU) No 574/2014), 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)

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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.