



### DECLARATION OF PERFORMANCE

According Annex III of the Regulation (EU) No 305/2011 amended by Commissions delegated Regulation (EU) No 574/2014

**Nr.: 1260000**

Unique identification code of the product-type: **Muraplast FK 77**

Batch number: **see packing of the product**

Intended use: **High range water reducing admixtures/superplasticizing admixture for concrete – EN 934-2:T 3.1/3.2; EN 934-2: T 2**

Manufacturer: **MC-Bauchemie Müller GmbH & Co. KG  
Am Kruppwald 1-8, 46238 Bottrop**

System of AVCP: **System 2+**

Harmonised standard: **EN 934-2:2009+A1:2012**

Notified body: **Materialprüfungs- und Forschungsanstalt, MPA Karlsruhe (Kenn-Nr. 0754)**

**The notified body Materialprüfungs- und Forschungsanstalt, MPA Karlsruhe (identification no.0754), performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control under system 2+ and issued: a certificate of conformity of the factory production control.**

**The product Muraplast FK 77 meets the requirements of EN 934-2 table 3.1, table 3.2; table 2. An initial type testing report has been issued. The factory production control has been certified by notified body.**

Certificate of conformity of the factory production control No. 0754-CPR

| Essential characteristics                                       | Performance  | Harmonised Technical specification    |
|---|--|---------------------------------------|
| <b>Chlorid ion content</b>                                      | max. 0,10 % by mass  | EN 934-2:2009 + A1:2012               |
| <b>Alkali content</b>   | max. 6,0 % by mass   | EN 934-2:2009 + A1:2012               |
| <b>Corrosion behaviour</b>                                      | Contains components only from EN 934-1:2008 Annex A.1  | EN 934-2:2009 + A1:2012               |
| <b>Compressive strength at water reduction</b>                  | At 1 day: test mix $\geq$ 140 % of control mix<br>At 28 days: test mix $\geq$ 115 % of control mix                                     | EN 934-2:2009 + A1:2012 table 3.1     |
| <b>Compressive strength at increase in consistence</b>          | At 28 days: test mix $\geq$ 90 % of control mix  | EN 934-2:2009 + A1:2012 table 3.2     |
| <b>Compressive strength</b>                                     | At 7 and 28 days: test mix $\geq$ 110 % of control mix   | EN 934-2:2009 + A1:2012 table 2       |
| <b>Air content in fresh concrete at water reduction</b>         | Test mix $\leq$ 2 % by volume above control mix  | EN 934-2:2009 + A1:2012 table 2 + 3.1 |
| <b>Air content in fresh concrete at increase in consistence</b> | Test mix $\leq$ 2 % by volume above control mix  | EN 934-2:2009 + A1:2012 table 3.2     |
| <b>Water reduction</b>  | In test mix $\geq$ 12 % compared with control mix  | EN 934-2:2009 + A1:2012 table 3.1     |
| <b>Water reduction</b>  | In test mix $\geq$ 5 % compared with control mix   | EN 934-2:2009 + A1:2012 table 2       |
| <b>Increase in consistence</b>                                  | Increase in flow $\geq$ 160 mm from initial (350 $\pm$ 20) mm  | EN 934-2:2009 + A1:2012 table 3.2     |
| <b>Retention of consistence</b>                                 | 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 | EN 934-2:2009 + A1:2012 table 3.2     |
| <b>Dangerous substances</b>                                     | EGVO 1907/2006 see safety data sheet   | EGVO                                  |

The performance of the product identified above is in conformity with the set of declared performance. This declaration of performance is issued, in accordance with Regulation (EU) No. 305/2011, under the sole responsibility  
MC-Bauchemie Müller GmbH & Co. KG.

Signed for and on behalf of the manufacturer by:



Dr.-Ing. Claus-M. Müller  
Head of management



Bottrop, 12. March 2018

---

Place and date of issue