



DECLARATION OF PERFORMANCE

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

Nr.: 1226

Unique identification code of the product-type: **Muraplast FK 48**

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 48 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
Chlorid ion content	max. 0,10 % by mass	EN 934-1
Alkali content	max. 6,0 % by mass	EN 934-1
Corrosion behaviour	Contains components only from EN 934-1:2008 Annex A.1	EN 934-1
Compressive strength at water reduction	At 1 day: test mix \geq 140 % of control mix At 28 days: test mix \geq 115 % of control mix	EN 934-2:2009 + A1:2012 table 3.1
Compressive strength at increase in consistence	At 28 days: test mix \geq 90 % of control mix	EN 934-2:2009 + A1:2012 table 3.2
Compressive strength	At 7 and 28 days: test mix \geq 110 % of control mix	EN 934-2:2009 + A1:2012 table 2
Air content in fresh concrete at water reduction	Test mix \leq 2 % by volume above control mix	EN 934-2:2009 + A1:2012 table 2 + 3.1
Air content in fresh concrete at increase in consistence	Test mix \leq 2 % by volume above control mix	EN 934-2:2009 + A1:2012 table 3.2
Water reduction	In test mix \geq 12 % compared with control mix	EN 934-2:2009 + A1:2012 table 3.1
Water reduction	In test mix \geq 5 % compared with control mix	EN 934-2:2009 + A1:2012 table 2
Increase in consistence	Increase in flow \geq 160 mm from initial (350 \pm 20) mm	EN 934-2:2009 + A1:2012 table 3.2
Retention of consistence	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
Dangerous substances	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:



John van Diemen
Head of quality management

Bottrop, 08. January 2019

Place and date of issue