

MC-BetoSolid SX

Reference number of the declaration of performance : CI4565070

1. Unique identification code of the product-type	MC-BetoSolid SX
2. Intended use/es	Structural bonding product for bonded mortar or concrete Principle 4 – Structural bonding Bonded mortar or concrete (4.4) Surface protection products – Coating Physical resistance (5.1)
3. Manufacturer	MC-Bauchemie Müller GmbH & Co.KG Am Kruppwald 1-8 46238 Bottrop
4. Authorized representative	MC-Bauchemie Müller GmbH & Co.KG Am Kruppwald 1-8 46238 Bottrop
5. System/s of AVCP	System 2+
6. Harmonised standard	EN 1504-4:2004 EN 1504-2:2004
7. Notified body/ies:	Materialprüfungs- und Forschungsanstalt Karlsruhe (MPA Karlsruhe), Identification number: 0754
8. Declared performance/s	

Essential characteristics	Performance	AVCP	Harmonised Technical specification
Bond/adhesion strength	Pass	System 2+	EN 1504-4:2004
Shear strength	≥ 6 N/mm ²		
Compressive strength	≥ 30 N/mm ²		
Shrinkage/Expansion	≤ 0,1 %		
Workability	45 min. at 20°C		
Sensitivity to water	Pass		
Elastic modulus	≥ 2000 N/mm ²		
Coefficient of thermal expansion	≤ 100 * 10 ⁻⁶ per K		
Glass transition temperature	≥ 40 °C		
Reaction to fire	Class E ¹⁾		
Durability	Pass		
Dangerous substances	No		

¹⁾ Also possible A1, A2, B, C and D, whereby the last four classes in Germany for the time being need an approval from DIBt. The possible class F is not admitted in Germany. This class means in Germany „readily flammable“. In other European MS this class means „no performance determined“ (NPD)“ and is admitted with consideration of the valid regulation in the respective MS.

Declaration of Performance



BE SURE. BUILD SURE.

Essential characteristics	Performance	AVCP	Harmonised Technical specification
Abrasion resistance	< 3000 mg	System 2+	EN 1504-2:2004
Capillary absorption and permeability to water	$w < 0,1 \text{ kg/m}^2 \times h^{0.5}$		
Impact resistance	class I ($\geq 4 \text{ Nm}$)		
Adhesion strength by pull off test	$\geq 2,0 (1,5)^{1)} \text{ N/mm}^2$		

¹⁾ The value in brackets is the lowest accepted value of any reading

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, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

John van Diemen
Head of Chemical Research and Quality Assurance

Bottrop, 10.09.2020

(Signature)



Appendix

According Art. 6 (5) of regulation (EU) No. 305/2011 a safety data sheet to the regulation (EG) No. 1907/2006 (REACH), appendix II will be attached to this declaration of performance.