

DECLARATION OF PERFORMANCE

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

DECLARATION OF CONFIRMITY

according Statutory Instruments (UK) 2019 No. 465; 2020 No. 1359

Name of the product
Betofix R4 EM ^[basic]
No. GBI-P 87-4

Unique identification code of the product-type:

1086

Intended use/es:

For applications with low performance requirements in construction and civil engineering

Applying mortar by hand (3.1)

Recasting with concrete (3.2)

Structural strengthening by adding mortar or concrete (4.4)

Increase of physical resistance by mortar application (5.3)

Increase of chemical resistance by mortar application. (6.3)

Increasing cover to reinforcement with additional cementitious mortar or concrete (7.1)

Replacing contaminated concrete (7.2)

Realkalization of carbonated concrete by diffusion (7.4)

Manufacturer:

**Remmers GmbH
Bernhard-Remmers-Straße 13
D-49624 Lönningen/Germany**

System/s of AVCP:

System 2+ (for internal uses for uses in buildings and civil engineering works)

System 4 (for uses subject to reaction to fire regulations)

Harmonised standard:

EN 1504-3: 2005

Notified body/ies:



Qualitätsgemeinschaft Deutsche Bauchemie e.V.
Mainzer Landstr. 55
D-60329 Frankfurt am Main
Identification number 0921

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:

Certificate of conformity of the factory production control **0921-CPR-2042**

EN 1504-3, System 4: **not relevant**

Declared performance/s:

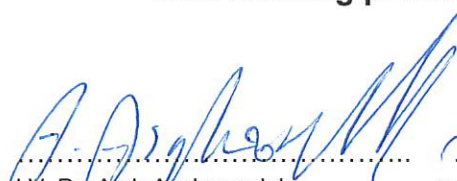
Essential characteristics	Performance	System of assessment and verification of constancy of performance	Harmonised Technical specification
Compressive strength	class R4	System 2+	EN 1504-3: 2005
Chloride ion content	≤ 0,05 %		
Adhesive bond	≥ 2,0 MPa		
Restrained shrinkage/expansion	≥ 2,0 MPa		
Carbonation resistance	passed		
Elastic modulus	≥ 20 GPa		
Thermal compatibility	≥ 2,0 MPa		
Capillary absorption	≤ 0,5 kg/(m ² h ^{0,5})		
Dangerous substances	In accordance with 5.4		
Reaction to fire	class A1	System 4	

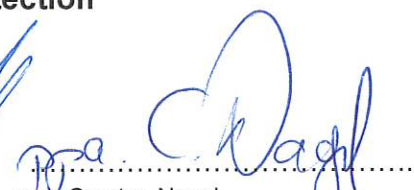
The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance & conformity is issued, in accordance with Regulation (EU) No 305/2011 and Statutory Instruments (UK) 2019 No. 465; 2020 No. 1359 under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Remmers GmbH
R&D Building protection

Löningen, 31.01.2023
 (place and date of issue)


 i.V. Dr. Amir Asgharzadeh
 (Senior Manager)


 ppa. Carsten Nagel
 (Director F&E)