



Declaration of performance

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

for the product	Betofix R4 EM
No.	GBI-P 87-5
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-Str. 13 49624 Lönningen (DE)
System/s of AVCP	System 2+ (for internal and external uses, in walls, columns and partitions) System 4 (for reaction to fire regulations)
Harmonised standard	EN 1504-3, System 2+
Notified body/ies	Certificate of conformity of the factory production control 0921-CPR-2042

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})		
Reaction to fire class	A1		System 4
Dangerous substances	NPD		

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

Remmers GmbH



R & D Building protection I

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i.V. Dr. Magnus Greiwe
(Department manager)

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i.V. Lenard Möhlenhaskamp
(Laboratory staff)

The declaration of performance was created electronically and is also valid without signature.

Löningen, 2025-01-20