

DECLARATION OF PERFORMANCE

according Annex III of the Regulation (EU) No 305/2011

Name of the product **Betofix R4**
No. GBI P1

1. Unique identification code of the product-type:

EN 1504-3: ZA.1a

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):

batch number: see packaging of the product

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

Product for Structural and non structural repair for concrete

Applying mortar by hand (3.1)

Recasting with concrete (3.2)

Spraying concrete or mortar (3.3)

Structural strengthening by adding mortar or concrete (4.4)

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

Replacing contaminated concrete (7.2)

PCC Mortar for structural repair for concrete

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):

**REMMERS BAUSTOFFTECHNIK GmbH
Bernhard-Remmers-Straße 13
D-49624 Lönningen**

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

not relevant

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:

System 2+

(for uses in buildings and civil engineering works)

System 3

(for uses subject to reaction to fire regulations)

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:
EN 1504-3, System 2+:

The notified body



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

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

not relevant

9. Declared performance

Essential characteristics	Performance	Harmonised Technical specification
Compressive strength	class R4	EN 1504-3:2005
Chloride ion content	$\leq 0,05 \%$	
Adhesive bond	$\geq 2,0 \text{ MPa}$	
Restrained shrinkage/expansion	$\geq 2,0 \text{ MPa}$	
Carbonation resistance	passed	
Elastic modulus	$\geq 20 \text{ GPa}$	
Thermal compatibility	$\geq 2,0 \text{ MPa}$	
Skid Resistance	NPD	
Capillary absorption	$\leq 0,5 \text{ kg} / (\text{m}^2 \cdot \text{h}^{0,5})$	
Reaction to fire	class A1	
Dangerous substances	NPD	

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

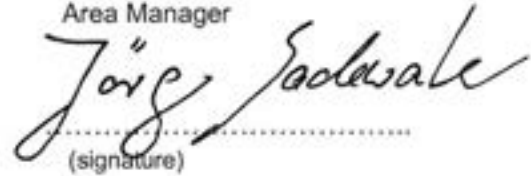
F + E Bauten- und Fassadenschutz – mineralische Baustoffe

Dirk Sieverding


.....
(signature)

Jörg Sadewater

Area Manager


.....
(signature)

Löningen, den 01.07.2013
(place and date of issue)