



DECLARATION OF PERFORMANCE

Nr. 0911003201-2015-09

1. Unique identification code of the product-type: **Injection System VMU plus**
2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):

ETA-11/0415, Annex 1 and 2
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:

generic type	bonded anchor
for use in	cracked and non-cracked concrete C20/25 - C50/60 (EN 206)
option	1
loading	static or quasi-static, seismic category C1
material	<p><u>hot-dip galvanized steel:</u> dry internal conditions only covered sizes: non-cracked concrete: M8, M10, M12, M16, M20, M24, M27, M30 cracked concrete + C1: M12, M16, M20, M24, M27, M30</p> <p><u>zinc-plated steel:</u> dry internal conditions only covered sizes: non-cracked concrete: M8, M10, M12, M16, M20, M24, M27, M30 cracked concrete + C1: M12, M16, M20, M24, M27, M30</p> <p><u>stainless steel (marking A4):</u> internal and external use without particular aggressive conditions covered sizes: non-cracked concrete: M8, M10, M12, M16, M20, M24, M27, M30 cracked concrete + C1: M12, M16, M20, M24, M27, M30</p> <p><u>high corrosion resistant steel (marking HCR):</u> internal and external use with particular aggressive conditions covered sizes: non-cracked concrete: M8, M10, M12, M16, M20, M24, M27, M30 cracked concrete + C1: M12, M16, M20, M24, M27, M30</p> <p><u>reinforcing bar (B500 B):</u> covered sizes: non-cracked concrete: Ø8, Ø10, Ø12, Ø14, Ø16, Ø20, Ø25, Ø28, Ø32 cracked concrete + C1: Ø12, Ø14, Ø16, Ø20, Ø25, Ø28, Ø32</p>
temperature range (if applicable)	Range I: -40 °C to +40 °C Range II: -40 °C to +80 °C Range III: -40 °C to +120 °C

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

RECA NORM GmbH
Am Wasserturm 4
74635 Kupferzell

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5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): --
6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: **System 1**
7. In case of the declaration of performance concerning a construction product covered by a harmonised standard: --
8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

Deutsches Institut für Bautechnik, Berlin

issued

ETA-11/0415

on the basis of

ETAG 001-5

The notified body 0756-CPD performed under system 1:

- (i) determination of the product type on the basis of type testing (including sampling), type calculation, tabulated values or descriptive documentation of the product;
- (ii) initial inspection of the manufacturing plant and of factory production control;
- (iii) continuous surveillance, assessment and evaluation of factory production control.

and issued: certificate of conformity 0756-CPD-0445

9. Declared performance:

Essential Characteristics	Design Method	Performance		Harmonized Technical Specification
		threaded rod	reinforcing bar	
characteristic resistance for tension (static or quasi-static)	TR 029	ETA-11/0415, Annex 9, 10	ETA-11/0415, Annex 12, 13	ETAG 001
	CEN/TS 1992-4	ETA-11/0415, Annex 15, 16	ETA-11/0415, Annex 18, 19	
characteristic resistance for shear (static or quasi-static)	TR 029	ETA-11/0415, Annex 11	ETA-11/0415, Annex 14	
	CEN/TS 1992-4	ETA-11/0415, Annex 17	ETA-11/0415, Annex 20	
characteristic resistance for seismic C1	TR 045	ETA-11/0415, Annex 24		
minimum spacing and minimum edge distance	TR 029	ETA-11/0415, Annex 5		
	CEN/TS 1992-4			
displacement for serviceability limit state	TR 029	ETA-11/0415, Annex 21	ETA-11/0415, Annex 22	
	CEN/TS 1992-4			

Where pursuant to Article 37 or 38 in the Specific Technical Documentation has been used, the requirements with which the product complies: --

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:

ppa. Wolfgang Rau, Divisional director Product Management
(name and function)
Kupferzell, 2015-08-13
(place and date of issue)

RECA NORM GmbH
Am Wasserturm 4
74635 Kupferzell

(signature)