

DECLARATION OF PERFORMANCE

Nr. 0914000001-2014-05

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

ETA-04/0092, Annex 3 and 24

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	torque controlled 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 C2
material	<p><u>hot-dip galvanized steel:</u> dry internal conditions only covered sizes: VMZ: M8, M10, M12, M16, M20, M24</p> <p><u>zinc-plated steel:</u> dry internal conditions only covered sizes: VMZ: M8, M10, M12, M16, M20, M24 VMZ-IG: M6, M8, M10, M12, M16, M20</p> <p><u>stainless steel (marking A4):</u> internal and external use without particular aggressive conditions covered sizes: VMZ: M8, M10, M12, M16, M20, M24 VMZ-IG: M6, M8, M10, M12, M16, M20</p> <p><u>high corrosion resistant steel (marking HCR):</u> internal and external use with particular aggressive conditions covered sizes: VMZ: M8, M10, M12, M16, M20, M24 VMZ-IG: M6, M8, M10, M12, M16, M20</p>
temperature range (if applicable)	Range I: -40 °C to +80 °C Range II: -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**

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:

issued **Deutsches Institut für Bautechnik, Berlin**
 on the basis of **ETA-04/0092**
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-0020**

9. Declared performance:

Essential Characteristics	Design Method	Performance		Harmonized Technical Specification
		VMZ-A	VMZ-IG	
characteristic resistance for tension (static or quasi-static)	ETAG 001, Annex C	ETA-04/0092, Annex 11, 12	ETA-04/0092, Annex 29	ETAG 001
	CEN/TS 1992-4	ETA-04/0092, Annex 16, 17	ETA-04/0092, Annex 31	
characteristic resistance for shear (static or quasi-static)	ETAG 001, Annex C	ETA-04/0092, Annex 14, 15	ETA-04/0092, Annex 30	
	CEN/TS 1992-4	ETA-04/0092, Annex 19, 20	ETA-04/0092, Annex 32	
characteristic resistance for seismic action	TR 045	ETA-04/0092, Annex 21, 22	--	
minimum spacing and minimum edge distance	ETAG 001, Annex C	ETA-04/0092, Annex 10	ETA-04/0092, Annex 28	
	CEN/TS 1992-4	ETA-04/0092, Annex 10	ETA-04/0092, Annex 28	
displacement for serviceability limit state	ETAG 001, Annex C	ETA-04/0092, Annex 13, 14, 15	ETA-04/0092, Annex 30	
	CEN/TS 1992-4	ETA-04/0092, Annex 18, 19, 20	ETA-04/0092, Annex 32	

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, 2014-05-26
(place and date of issue)

(signature)