

DECLARATION OF PERFORMANCE  
DoP No. 16/0562-WHA1

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

**ETA-16/0562, Annex A2**  
**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:

<b>generic type</b>	torque controlled expansion anchor (sleeve type)
<b>for use in</b>	cracked and non-cracked concrete C20/25 - C50/60 (EN 206)
<b>option</b>	1
<b>loading</b>	static or quasi-static; seismic, performance category C1 + C2 covered sizes: WHA1T and WHA1H (M8, M10, M12, M16, M16L, M20)
<b>material</b>	<u>zinc-plated steel:</u> dry internal conditions only covered sizes: WHA1T (M6, M8, M10, M12, M16, M16L, M20); WHA1H (M6, M8, M10, M12, M16, M16L, M20); WHA1C (M6, M8, M10, M12)  <u>stainless steel (marking A4):</u> internal and external use without particular aggressive conditions covered sizes: WHA1T (M8, M10, M12, M16); WHA1H (M8, M10, M12, M16); WHA1C (M8, M10, M12)
<b>temperature range</b> (if applicable)	--

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

**J. van Walraven Holding B. V.**  
**Industrieweg 5**  
**3641 RK Mijdrecht**  
**NIEDERLANDE**

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**

ETA-16/0562

on the basis of

**ETAG 001-2**

The notified body 1343-CPR 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 constancy of performance 1343-CPR-M 565-1

9. Declared performance:

Essential Characteristics	Design Method	Performance		Harmonized Technical Specification
		Steel, zinc-plated	Stainless steel A4	
characteristic resistance for tension	ETAG 001, Annex C CEN/TS 1992-4	Annex C1, C2	Annex C1, C3	ETAG 001
characteristic resistance for shear	ETAG 001, Annex C CEN/TS 1992-4	Annex C4	Annex C5	
characteristic resistance for seismic action	TR 045	Annex C6	Annex C7	
displacement for serviceability limit state	ETAG 001, Annex C CEN/TS 1992-4	Annex C9, C10	Annex C9, C10	
characteristic resistance under fire exposure	ETAG 001, Annex C CEN/TS 1992-4	Annex C8	Annex C8	

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:

 i.v.  
 J. VAN WALRAVEN HOLDING B.V.  
 Industrieweg 5  
 3641 RK MIJDRECHT

