

Declaration of Performance

According to Annex III of the Regulation (EU) Nr.305/2011
(Construction Products Regulation).

Walraven Ceiling Anchor WCA1

DoP No. 16/0971-WCA1

- 1. Unique identification code of the product-type:**
Walraven Ceiling Anchor WCA1, Item numbers: 60963604, 60963665
- 2. Intended use/es:**
Metal anchors for use in concrete (light-duty type); for use in redundant systems for fixing and/or supporting to concrete elements, such as lightweight suspended ceilings, as well as installations.
- 3. Manufacturer:**
J. van Walraven Holding B.V., Industrieweg 5, 3641 RK Mijdrecht, The Netherlands
- 4. System/s of AVCP:**
System 2+
- 5. European Assessment Document:** ETAG 001 Part 6 "Anchors for multiple use for non-structural applications", April 2013, used as EAD.
European Technical Assessment: ETA - 16/0971 (15/12/2016).
Technical Assessment Body: Instytut Techniki Budowlanej.
Notified body: 1488.
- 6. Declared performance/s:**

Essential Characteristic	Performance	Harmonized Technical Specification
Characteristic resistance for all load directions	See Annex C1, ETA-16/0971	ETAG001 Part 6
Edge and spacing	See Annex C1, ETA-16/0971	ETAG001 Part 6
Resistance to fire	See Annex C2, ETA-16/0971	EOTA TRO20
Reaction to Fire	Anchors satisfy requirements for Class A1	EN 13501-1

- 7. Appropriate Technical Documentation and/or Specific Technical Documentation:**
N/A
- 8. 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:

Frank Nijdam
Co-CEO
J. van Walraven Holding B.V.



Signature

Date 16-12-2024
Place: Mijdrecht

Table C1: Characteristic resistance (design acc. to ETAG 001, Annex C, method C)

WCA1 Ceiling anchor			WCA1 6x40 WCA1 6x65
All load directions			
Characteristic resistance in cracked or non-cracked concrete C20/25 to C50/60	F_{Rk}	kN	3,0
Partial safety factor ¹	γ_M ²	-	1,5
Spacing	s_{cr}	mm	200
Edge distance	c_{cr}	mm	150

¹ installation safety factor $\gamma = 1,0$ included

² in the absence of other national regulations

WCA1 Ceiling anchor	Annex C1 of European Technical Assessment ETA-16/0971
Performances Characteristic resistance	

Table C2: Characteristic resistance under fire exposure in concrete C20/25 to C50/60
 – WCA Ceiling anchor (design acc. to ETAG 001, Annex C, method C)

WCA1 Ceiling anchor			WCA1 6x40 WCA1 6x65			
All load directions						
Fire resistance class			R30	R60	R90	R120
Characteristic resistance	$F_{Rk,fi}^1$	[kN]	0,6	0,5	0,3	0,3
Partial safety factor	γ_M^1	-	1,0			
Spacing	$s_{cr,fi}$	[mm]	4 x h_{ef}			
Edge distance	$c_{cr,fi}$	[mm]	2 x h_{ef}			
The design method covers anchors with a fire attack from one side only. In case of fire attack from more than one side, the edge distance shall be ≥ 300 mm.						

¹ in the absence of other national regulations

WCA1 Ceiling anchor	Annex C2 of European Technical Assessment ETA-16/0971
Performances Characteristic resistance under fire exposure	