EVDBZ STEEL CEILING ANCHOR 6.0mm ØD[1]
DECLARATION OF PERFORMANCE
REV. A

DoP No.:	EVO-330747-0001-A
Date of issue:	13th November 2026
ETA No.:	ETA-13/0634

[1] ØD = nominal diameter of the product,

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Declaration of Performance – EVDBZ Ceiling Anchor 6.0mm ØD. Revision A. Published 13 Nov. 2026.

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No. EVO-330747-0001-A

1. UNIQUE IDENTIFICATION CODE OF THE PRODUCT-TYPE

EVDBZ640,
EVDBZ665.

The product-type is described in Table 01. All European Technical Assessment (ETA) references are to ETA-13/0634 of 10 November 2026 unless noted otherwise.

Table 01: Product-type description

Property	Declared value	ETA reference
Fastener type[2]	Metal anchor for multiple use for non-structural applications in concrete; placed in a drilled hole and anchored by deformation-controlled expansion	1; Annex A
Components	Anchor shank and expansion pin	Annex A
Parent material and specification	Steel; AISI 1022 (anchor shank and expansion pin)	Annex A, Table A1
Corrosion protection coating	Galvanised (zinc), thickness ≥ 5 µm	Annex A, Table A1
Marking	"EF", as shown in Annex A (2/2)	Annex A (2/2)
Anchor size, $d \times L$	6 × 40 mm (EVDBZ640) and 6 × 65 mm (EVDBZ665)	Annex A; Table B1
Nominal diameter of drill bit, d_0[3]	6 mm	Table B1
Cutting diameter of drill bit, d_{cut}[3]	≤ 6.40 mm	Table B1
Diameter of clearance hole in the fixture, d_f[3]	8 mm	Table B1
Depth of drill hole, h_1[3]	≥ 40 mm	Table B1
Effective anchorage depth, h_{ef}[3]	35 mm	Table B1
Maximum thickness of fixture, t_{fix}[3]	5 mm (6 × 40) and 30 mm (6 × 65)	Table B1
Minimum thickness of the member, h_{min}[4]	80 mm	Table B2
Minimum spacing, s_{min}[4]	200 mm	Table B2
Minimum edge distance, c_{min}[4]	100 mm	Table B2

[2] As shown in ETA-13/0634, Annex A (1/2) and Annex A (2/2),
[3] Installation data in accordance with ETA-13/0634, Annex B (2/2), Table B1,
[4] Minimum spacing and edge distance in accordance with ETA-13/0634, Annex B (2/2), Table B2,

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2. INTENDED USE

Fasteners for use in concrete for redundant non-structural systems: multiple use for non-structural applications in concrete, as set out in ETA-13/0634, section 2 and Annex B (1/2), and in EAD 330747-00-0601.

The declared performances are valid only if the anchor is used in compliance with the following specifications and conditions:

Loading:	Static and quasi-static loads; multiple use for non-structural applications only.
Base material:	Cracked and non-cracked, reinforced and unreinforced normal weight concrete of strength classes C20/25 to C50/60 according to EN 206.
Use conditions:	Structures subject to dry internal conditions.
Design:	Anchorages designed in accordance with EN 1992-4:2018 under the responsibility of an engineer experienced in anchorages and concrete work, including where resistance under fire exposure is required.
Installation:	By appropriately qualified personnel under the supervision of the person responsible for technical matters of the site. The anchor may only be set once. Overhead applications are permitted.
Working life:	The provisions of the ETA are based on an assumed working life of the anchor of 50 years.

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3. MANUFACTURER

Evolution Fasteners (UK) Ltd
Clyde Gateway Trade Park
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United Kingdom

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4. AUTHORISED REPRESENTATIVE

Authorised representatives established within the Union, each holding a mandate covering the tasks specified in Article 12(2) of Regulation (EU) No 305/2011:

Evolution Fasteners (IE) Ltd
Finglas Business Centre
Jamestown Road
Finglas
Dublin 11
Ireland

Evolution Fasteners (NL) B.V.
Pastoorslaan 57
2182 BW Hillegom
Netherlands

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5. SYSTEM OF AVCP

System 2+, as set out in Annex V of Regulation (EU) No 305/2011, applicable under Commission Decision 97/161/EC (ETA-13/0634, section 4).

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6(A). HARMONISED STANDARD

Not applicable.

6(B). EUROPEAN ASSESSMENT DOCUMENT

EAD:	EAD 330747-00-0601, edition May 2018, *Fasteners for use in concrete for redundant non-structural systems*.
ETA:	ETA-13/0634 of 10 November 2026 (replacing ETA-13/0634 of 16 October 2019), trade name EVDBZ.
TAB:	ZAG – Zavod za gradbeništvo Slovenije (Slovenian National Building and Civil Engineering Institute), Dimičeva 12, 1000 Ljubljana, Slovenia, Technical Assessment Body issuing the European Technical Assessment.
Notified body:	Dedal – Attestation & Certification Ltd, 54 Macedonia Str., 8000 Burgas, Bulgaria (notified body No. 1922), acting as notified factory production control certification body, performed the initial inspection of the manufacturing plant and of factory production control and performs the continuing surveillance, assessment and evaluation of factory production control under System 2+, and issued the certificate of conformity of the factory production control No. 1922-CPR-2679, first issued on 29 September 2026.

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7. DECLARED PERFORMANCES

The declared performances for the intended use given in section 2, covering the essential characteristics assessed in ETA-13/0634 in accordance with EAD 330747-00-0601, are given in Table 02. All European Technical Assessment (ETA) references are to ETA-13/0634 of 10 November 2026 unless noted otherwise.

Table 02: Declared performances

Essential characteristic	Performance (value and unit)	ETA reference
Safety in use (BWR 4) – any load direction[5]		
Characteristic resistance in C20/25 to C50/60, F_{Rk}	3.0 kN	3.2; Table C1
Partial safety factor (including installation safety factor), γ_M[6]	1.8[7]	Table C1
Characteristic edge distance, c_{cr}	150 mm	Table C1
Characteristic spacing, s_{cr}	200 mm	Table C1
Safety in use (BWR 4) – shear load with lever arm[5]		
Characteristic bending moment, $M^0_{Rk,s}$	6.3 Nm	3.2; Table C1
Partial safety factor, γ_{Ms}[6]	1.34	Table C1
Safety in case of fire (BWR 2) – resistance under fire exposure[8]		
Characteristic resistance, $F_{Rk,fi}$[9], fire resistance class R30	0.26 kN	3.1; Table C2
Characteristic resistance, $F_{Rk,fi}$[9], fire resistance class R60	0.23 kN	Table C2
Characteristic resistance, $F_{Rk,fi}$[9], fire resistance class R90	0.18 kN	Table C2
Characteristic resistance, $F_{Rk,fi}$[9], fire resistance class R120	0.13 kN	Table C2
Spacing, $s_{cr,fi}$, R30 to R120	200 mm	Table C2
Edge distance, $c_{cr,fi}$, R30 to R120	150 mm	Table C2
General aspects relating to fitness for use		
Durability and serviceability[10]	Dry internal conditions	3.3; Annex B (1/2)

The declared performances are those stated in ETA-13/0634, Annex C (1/2) and Annex C (2/2), and apply only to the product-type described in Table 01 installed in accordance with Annex B of the ETA.

[5] Characteristic values for static and quasi-static loading in any load direction in concrete C20/25 to C50/60, identical for anchor sizes 6 × 40 and 6 × 65,
[6] In the absence of other national regulations,
[7] The installation safety factor γ_2 = 1.0 is included,
[8] Characteristic values under fire exposure in any load direction in concrete C20/25 to C50/60, identical for anchor sizes 6 × 40 and 6 × 65. In case of fire attack from more than one side, the minimum edge distance shall be ≥ 300 mm. The anchorage depth has to be increased for wet concrete by at least 30 mm compared to the given value,
[9] In the absence of other national regulations, the partial safety factor for resistance under fire exposure $\gamma_{M,fi}$ = 1.0 is recommended,
[10] ETA-13/0634, section 3.3: durability and serviceability are only ensured if the specifications of intended use according to Annex B (1/2) are kept,

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8. APPROPRIATE TECHNICAL DOCUMENTATION AND/OR SPECIFIC TECHNICAL DOCUMENTATION

Not applicable.

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9. AUTHORISATION STATEMENT

THE PERFORMANCE OF THE PRODUCT IDENTIFIED ABOVE IS IN CONFORMITY WITH THE SET OF DECLARED PERFORMANCES. 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:



EUR ING Ryan Murphy (Chartered Engineer)
TECHNICAL DIRECTOR
At Glasgow, United Kingdom on 13th November 2026

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10. REVISION HISTORY

Table 03: Revision history			
Rev. No.	**Comment(s)**	**Auth'd**	**Date**
A	Original issue.	RM	13 Nov 26

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