

## DECLARATION OF PERFORMANCE

Nr. 211203 rev 00 (EN)

- 1 Unique identification code of the product type:  
 1a **Injection adhesive system edilon)(sedra Dex®-R 2K as bonded fastener for use in concrete**  
 1b **Injection adhesive system edilon)(sedra Dex®-R 2K for post-installed rebar connections**

2 Intended use:

	Product	Intended use
2a	Metal anchors for use in concrete	For fixing and/or supporting to concrete, structural elements (which contributes to the stability of the works) or heavy units.
2b	Injection system for post-installed rebar connection with mortar	Post-installed connection with mortar, by anchoring or overlap joint, of reinforcing bars (rebars) in existing structures made of normal weight concrete acc. to regulations for reinforced concrete constructions.

3 Manufacturer: **edilon)(sedra bv, Nijverheidsweg 23, NL-2031 CN Haarlem, the Netherlands.**

4 AVCP – system of assessment and verification of constancy of performance: **System 1**

5 Assessment:

5a European Assessment Document: **EAD 330499-01-0601**  
 European Technical Assessment: **ETA-06/0272 (17.01.2022)** <sup>1)</sup> and **ETA-15/0836 (30.09.2022)** <sup>2)</sup>

5b European Assessment Document: **EAD 330087-01-0601**  
 European Technical Assessment: **ETA-15/0835 (08.12.2022)** <sup>3)</sup>

Technical Assessment Body:

<sup>1)</sup> **CSTB – Centre Scientifique et Technique du Batiment**

<sup>2) 3)</sup> **ITB – Instytut Techniki Budowlanej**

Notified Body:

**Nr 1488 ITB – Instytut Techniki Budowlanej acc. No. 305/2011 (Construction Product Regulation EU)**

Certificates of constancy of performance: **1488-CPR-0577W, 1488-CPR-0576W and 1488-CPR-0575W**

6 Performance:

6a Declared Performance: **ETA-06/0272 and ETA-15/0836**


Essential characteristics	Performance
Mechanical resistance and stability (BWR 1)	
Characteristic resistance to tension load (static and quasi-static loading)	See appendix ETA-06/0272, especially Annex C1, C2 See appendix ETA-15/0836, especially Annex C1, C2, C5
Characteristic resistance to shear load (static and quasi-static loading)	See appendix ETA-06/0272, especially Annex C3 See appendix ETA-15/0836, especially Annex C2, C3, C6
Displacements under short-term and long-term loading	See appendix ETA-06/0272, especially Annex C4 See appendix ETA-15/0836, especially Annex C4, C7
Characteristic resistance for seismic performance	No performance assessed
Safety in case of fire (BWR 2)	
Reaction to fire	Anchorage satisfy requirements for Class A1
Resistance to fire	No performance assessed
Hygiene, health and environment (BWR 3)	
Content, emission and/or release of dangerous substances	No performance assessed

6b Declared Performance: **ETA-15/0835**

Essential characteristics	Performance
Mechanical resistance and stability (BWR 1)	
Minimum anchorage length and minimum lap length under static and quasi-static loading – amplification factor, $\alpha_{lb}$	See appendix ETA-15/0835, especially Annex C1
Minimum anchorage length and minimum lap length under static and quasi-static loading – bond efficiency value, $k_b$	See appendix ETA-15/0835, especially Annex C2, C3
Design values of the ultimate bond resistance, $f_{bd,PIR}$	See appendix ETA-15/0835, especially Annex C4, C5
Safety in case of fire (BWR 2)	
No performance assessed	

7 Declaration: **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:



T. van Amerongen  
General Manager

Haarlem, 8 December 2022



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Declaration of performance  
**edilon**(sedra Dex-R 2K

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