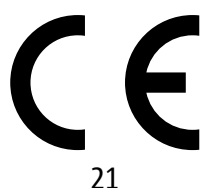


Declaration of Performance No.: DOP_STA_ETA-21/0439_v1_GB



1. Unique identification code of product type:

Schöck Stacon® type SLD

2. Purpose:

Shear force dowel for transferring forces in expansion joints

3. Manufacturer:

Schöck Bauteile GmbH, Schöckstraße 1, 76534 Baden-Baden

4. System(s) used to assess and verify performance consistency:

System 2+

5. Technical assessment:

European Assessment Document/Harmonised standard/National standard:

EAD 050019-00-0301, version from march 2019

European Technical Assessment/Approval:

ETA-21/0439

Technical Assessment Body/Approval Body:

Deutsches Institut für Bautechnik (DIBt), Kolonnenstr. 30B, 10829 Berlin

Notified Body/External Monitoring Body:

Versuchsanstalt für Stahl, Holz und Stein, Universität Karlsruhe (TH), 76128 Karlsruhe

EC Certificate of Conformity/Certificate of Compliance:

0769-CPR-VAS-00842-2

6. Declared performance:

Material features	Performance	Technical specification
Resistance to steel failure in ultimate limit state (ULS)	$e = 7.41 \text{ mm}$	ETA 21-0439
Resistance to concrete edge failure in ULS without allowance for lateral movements of the dowel	$X_{1,1} = 0.38$	
	$B_{\text{spec}, 1}$ and $H_{\text{spec}, 1}$, see ETA 21-0439; Annex C1, Table 6	
	$k_{1,2} = 0$	
Resistance to concrete edge failure in ULS with allowance for lateral movements of the dowel	$X_{1,2} = 0.38$	
	$B_{\text{spec}, 2}$ and $H_{\text{spec}, 2}$, see ETA 21-0439; Annex C1, Table 6	
	$k_{1,2} = 0$	
Resistance to concrete edge failure in serviceability limit state (SLS)	$X_2 = 0.53$	
Resistance to steel failure in serviceability limit state (SLS)	$X_3 = 0.29$	
Fire behaviour	Class A1	ETA 21-0439
Fire resistance	Structural stability for 120 minutes with fire-protection collar with temperature-time curve in accordance with EN 1363-1 and a reduction coefficient $\eta_{fi} = 0.7$ in accordance with EN 1992-1-2, section 2.4.2	

7. Appropriate technical literature and/or specific technical literature:

Structural engineer's planning literature

The performance of the aforementioned product is consistent with the declared performance. The aforementioned manufacturer is solely responsible for issuing this Declaration of Performance in compliance with (EU) Regulation No. 305/2011. Signed for and on behalf of the manufacturer by:

Baden-Baden, 01.01.2022

(Place, date)

A handwritten signature in black ink, appearing to read 'i.v. N. Puttendörfer'.

(Dr.-Ing. Niklas Puttendörfer, Head of R&D)