

DECLARATION OF PERFORMANCE

CONF-DOP_HSCC-01-22

No. H45-1090-1-2

1.	Unique identification code of the product-type	HALFEN Steel Corbel Connection HSCC
2.	Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4)	Manufacturer marking: H Type code and Product size: see label at the corbel
3.	Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:	
	Generic type and use	HALFEN Steel Corbel Connections HSCC are structural steel-corbels with connection to concrete construction elements; one- or double-sided configuration of connection with bolted fastening at the cast-in anchors HALFEN Stud Connector Type B (HSC-B) according to National Technical Approval No. Z-21.8-1974
	Product size covered	Product size according to the load bearing capacity of the corbels, see type test report No. S-WUE/110032, Annexes A and B <u>HSCC types with short corbel length</u> HSCC-16-2-1 HSCC-20-2-1 HSCC-25-1-1 HSCC-16-3-1 HSCC-20-3-1 HSCC-25-2-1 HSCC-16-4-1 HSCC-20-4-1 HSCC-25-3-1 HSCC-16-5-1 HSCC-20-5-1 HSCC-25-4-1 HSCC-25-5-1 HSCC-25-6-1 HSCC-25-8-1 HSCC-25-11-1 <u>HSCC types with long corbel length</u> HSCC-16-2-2 HSCC-20-2-2 HSCC-25-1-2 HSCC-16-3-2 HSCC-20-3-2 HSCC-25-1-3 HSCC-16-4-2 HSCC-20-4-2 HSCC-25-2-2 HSCC-16-5-2 HSCC-20-5-2 HSCC-25-2-3 HSCC-25-3-2 HSCC-25-4-2 HSCC-25-5-2 HSCC-25-6-2 HSCC-25-8-2 HSCC-25-11-2
	For use in	To be used in welded, bolted and riveted steel-structures, supporting reinforced concrete structures made of normal weight concrete class C20/25 to C70/85
	Material and intended use	Steel according to EN 10025-3:2019 and/or EN 10025-4:2019, zinc-coated
	Loading	Predominantly static, uniformly distributed loading
4.	Name, registered trade name or registered trademark and contact address of the manufacturer as required pursuant to Article 11(5)	Leviat GmbH, Liebigstraße 14, 40764 Langenfeld, Germany
5.	Where applicable, name and contact address of the authorized 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 2+

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7.	In case of the declaration of performance concerning a construction product covered by a harmonised standard	The notified body NB-No. 2451 has performed in matters of production: • initial inspection of manufacturing plants and factory production control, • continuous surveillance, assessment and approval of factory production control according to System 2+ and each issued the following: • Certificate of conformity 2451-CPR-EN1090-2015.0327._, • Certificate of Conformity 2451-CPR-EN1090-2013.0316._. The notified body NB-No. 2499 has performed in matters of design: • inspection and evaluation of the relevant equipment, competence of personnel and resources, • assessment of procedure for structural design including control procedures according to System 2+ and issued the following: • Certificate of conformity 2499-CPR-0113070-00- .		
8.	In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued	-		
9.	Declared performance			
	Essential Characteristics	Design Method	Performance	Harmonized Technical Specification
	Corbel load bearing capacity V_{Rd} and H_{Rd}	EN 1993-1-1:2005 + AC:2009, EN 1993-1-8:2005 + AC:2009 see type test report No. S-WUE/110032. The specified NDP for Germany apply.	Tolerances	EN 1090-1:2009+A1:2011, EN 1090-2:2018
	Fracture toughness 40J at -20°C		Corrosion protection by means of hot-dipped galvanising acc. to EN ISO 1461:2009 and DAST-guide line 22	
			Execution class EXC2, Welding acc. to EN ISO 17660-1:2006 and Corrigenda to DIN EN ISO 17660-1:2006-12	
	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.				

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Langenfeld, 04.01.2022

Signed for and on behalf of the manufacturer by



Chris Oberli
(Managing Director | Europe Central)



Dr. Ing. Dirk Albartus
(Prokurist)