

DECLARATION OF PERFORMANCE

HALFEN channel-support structure system SUK

CONF-DOP_SUK 01/18-E

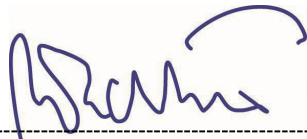
No. H24-1090-1/1

1.	Unique identification code of the product-type	HALFEN channel-support structure system SUK
2.	Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4)	Identifying mark of the producer: HALFEN or H
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 Natural stone anchor to fix natural stone façades to steel substructures
	Product size covered	Product sizes according to design and load rating, SUK A; SUK BG-M10; SUK DH-0,8-2; SUK DT-1,2-1; SUK DT-1,2-2; SUK F-5,0; SUK HS-1,6-1; SUK HS-1,6-2; SUK TSG-0,8-1-M12; SUK TSG-0,8-2-M12; SUK TSG-1,5-1-M16; SUK TSG-1,5-2-M16; SUK SV-0,8-8; SUK Z21; SUK Z41
	For use in	Concrete \geq C20/25 acc. to EN 206-1 Masonry \geq 12 N/mm ²
	Base material / base material strength	Stainless steel 1.4062/1.4162/1.4362/1.4404/1.4571 acc. to EN 10088-2 for medium corrosion resistance (corrosion resistance class III)
	Loading	Predominantly static loading
4.	Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5)	HALFEN 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+
7.	In case of the declaration of performance concerning a construction product covered by a harmonised standard	<p>The notified body NB-No. 2451 has performed under system 2+ in matters of factory production:</p> <ul style="list-style-type: none"> initial inspection of the manufacturing plant and factory production control, continuous surveillance, assessment and evaluation of factory production control <p>and issued the following certificates:</p> <ul style="list-style-type: none"> - Certificate of conformity 2451-CPR-EN1090-2015.0327.002 - The welding certificate SLVHa-EN1090-2.00065.2012 (Halfen Produkcja, Nowe Skalmierzyce, Poland). <p>The notified body NB-No. 2499 has performed under system 2+ in matters of structural design work:</p> <ul style="list-style-type: none"> inspection and evaluation of the relevant equipment, competence of personnel and resources, assessment of procedure for structural design including control procedures <p>and issued the following:</p> <ul style="list-style-type: none"> - Certificate of conformity 2499-CPR-0113070-00-04 (Plant Langenfeld, Germany).

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	Harmonized Technical Specification
	Tolerances on dimensions	According to the component specification and EN 1090-2	EN 1090-1:2009+A1:2011
	Weldability	NPD	
	Fracture toughness	NPD	
	Reaction to fire	Euroclass A1 according to EN 13501-1	
	Release of cadmium and its compounds	NPD	
	Emission of radioactivity	NPD	
	Durability	Stainless steel according to point 3.	
	Load bearing capacity	Design acc. to EN 1993-1-1:2005 + AC:2009 and EN 1993-1-4:2006 + A1:2015	
	Fatigue strength	NPD	
	Resistance to fire	NPD	
	Manufacturing	According to the component specification and EN 1090-2, execution class EXC2	
	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.			

Langenfeld, 09.01.2018

Signed for and on behalf of the manufacturer by



Richard Wachter
(Managing Director)



ppa. Dr.-Ing. Dirk Albartus
(Manager Engineering)