

DECLARATION OF PERFORMANCE

CONF-DOP_LSA-DW/5-07-24

No. H-19-845-1/7

1.	Unique identification code of the product-type		HALFEN LSA-DW/5 Cavity wall tie	
2.	Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4)		HALFEN LSA-DW 350/5 – 550/5 see label on the packaging or product	
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		Asymmetric cavity wall tie for horizontal connection of a cavity wall	
	Product size covered		350/5 – 550/5	
	For use in		Solid CS bricks, strength class 20-2,0	
	Material and intended use		HALFEN LSA-DW/5: Stainless steel 1.4401 / 1.4571 /1.4362 acc. to DIN EN 10088-2 for medium corrosion exposure (corrosion protection class III)	
	Loading		Static and quasi static 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 3 acc. to DIN EN 845-1	
7.	In case of the declaration of performance concerning a construction product covered by a harmonised standard		The notified testing laboratory MPA Bau Hannover, Nienburger Str. 3, Hannover (0764) performed the initial testing under System 3 and issued a test report No. 0725901.1-Th und 163600.	
8.	In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued		-	
9.	Declared performance			
	Type	Essential Characteristics	Performance	Harmonized Technical Specification
	LSA-DW/5	Max tension load with KS-reference bricks	1700 N	DIN EN 845-1
		Displacement at 1/3 of the tension load	0,16 mm	
		Max compression load up to 385 mm cavity	1050 N	
		Displacement at 1/3 of the compression load	0,05 mm	
		Faced brickwork	CS reference brick with mortar class M2.5	
		Anchorage in faced brickwork	Waved end	

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9.	Declared performance			
	Type	Essential Characteristics	Performance	Harmonized Technical Specification
	LSA-DW/5	Anchorage length in faced brickwork	min. 50 mm	DIN EN 845-1
		Punching protection	35 mm	
		Supporting wall	Solid CS bricks 20-2,0 anchoring depth min. 55 mm	
		Anchorage in supporting wall	Anchor jacket end	
		Water-repelling function	No resistance	
		Durability	Material reference 1 or 23	
		Dangerous substances	NDP	
		Others	Identical construction to ZV-Welle produced by Bever	
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, 01.07.2024

Signed for and on behalf of the manufacturer by



Stephan Bauerdick
(Operations Director | Central Operations)



Dr. Ing. Dirk Albartus
(Prokurist)