

DECLARATION OF PERFORMANCE

Nr. CKK- vHLZ/B/WDF UK-21A005

1. Identification Codes of Product Types:
U – Building bricks , Category I, 215x102.5x65
2. Article / Article Number
vHLzB 28 – 1,6 WDF / UK- brown
3. Intended Use: For load-bearing or non-loadbearing elements in unprotected or protected masonry
4. Manufacturer:
Klinkerwerk Küsters GmbH & Co. KG
Steinstraße 45
47533 Kleve
Germany
5. Not Applicable
6. System 2+
7. The notified body number **0854**, the initial inspection of the manufacturer's premises and of factory production control and ongoing monitoring, assessment and evaluation of the factory production control according to System 2 and the certificate of conformity **No. 0854-CPD-045** issued
8. Not Applicable

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9. Declared Performance


Main Features		Performance	Harmonised Technical Specification
Dimensions	Length/Depth/Height [mm]:	215/102.5/65	EN 771-1:2011+A1:2015
Dimensional Limits	Mean	T1	
	Range	R1	
Form and shape Abs.5.3.2		Form c)	
Compressive Strength	Category	I	
	Mean [N/mm ²]	≥ 45	
		Load direction	Perpendicular to load joint
Usual Moisture Led Expansion		Not determined	
Bond Strength Tabulated Value Following Annex C		0,15	EN 998-2:2017
Content of active soluble salts		Class S2	EN 771-1:2011+A1:2015
Fire Reaction		Euroclass A1	
Water absorption (%)		≤ 10	EN 771-1:2011+A1:2015
Water vapour permeability μ		50/100	EN 1745:2020
Gross Dry Raw Density	Mean [kg/m ³]	1500	EN 771-1:2011+A1:2015
	Deviation	D1 (10%)	
Form, Shape, Dimensions and dimensional limits		See above	
Net Dry Raw Density	Mean [kg/m ³]	1900	
	Deviation	D1 (10%)	
Thermal Conductivity (W/mK)		Not determined	
Durability/Frost resistance		F2	
Hazardous Substances		Follow ZA.3	

10. The performance of products according to N°1 and 2 corresponds to the stated performance N° 9. Responsibility for the declaration of performance rests only the manufacturer in indicated in N° 4.

Signed for and on behalf of the manufacturer:

Kleve, 10.02.2021


Michael Hegholtz, Managing Director

 0854			
Klinkerwerke Küsters GmbH & Co.KG Steinstraße 45 47533 Kleve 21			
0854-CPD-045			
EN 771-1: 2011+A1:2015			
U – Building bricks , Category I, 215x102.5x65			
For load-bearing or non-loadbearing elements in unprotected or protected masonry			
CKK- vHLZ/B/WDF UK-21A005			
Dimensional Limits	Mean	class T1 according EN 771-1: 2011+A1:2015 [mm]	length ± 6 width ± 4 height ± 3
	Range	class R1 according EN 771-1: 2011+A1:2015 [mm]	length 9 width 6 height 5
	Form and shape Abs.5.3.2		Form c) Abs.5.3.2 EN 771-1
	Compressive Strength Perpendicular to load joint		[N/mm ²] ≥ 45
Bond Strength Tabulated Value Following Annex C - DIN EN 998-2		[N/mm ²] 0,15	
Content of active soluble salts		class S2	
Fire Reaction		Euroklasse A1	
Water absorption		[Masse-%] ≤ 10	
Water vapour permeability		μ 50/100	
Gross Dry Raw Density (mean)		[kg/m ³] 1500	
		Deviation D1 (10%)	
Net Dry Raw Density (mean)		[kg/m ³] 1900	
		Deviation D1 (10%)	
Durability/Frost resistance		F2	
Hazardous Substances		Follow ZA.3	

Additional voluntary manufacturer information according to EN 771-1: 2011+A1:2015		
Compressive Strength Class	28	
Raw Density Class	1,6	
Content of active soluble salts	S3	
Facebrick description	vHLzB 28 – 1,6 – WDF UK	
Colour of clay	brown	