

# DECLARATION OF PERFORMANCE No. 8.1.3



1. Product type identification code:  
U – category I brick,  
Format BS, brick with trough.
2. Intended use: Brick for load-bearing or non-load-bearing components in unprotected or protected masonry.
3. Manufacturer:  
Clinker works H.W. Muhr GmbH & Co.KG  
Fackeldeystraße 80-100  
46446 Emmerich am Rhein.
4. Not relevant
5. Consistency of performance assessment and verification system:  
System 2+
6. Harmonized standard: EN 771-1:2011+A1:2015  
The notified body for factory production control - NB 2510 - has the initial inspection of the manufacturing plant and the factory production control as well as the ongoing monitoring, assessment and evaluation of the factory production control was carried out and the Certificate of Conformity No. 2510-CPR-311 of factory production control was issued.

The performance of the product according to numbers 1 and 2 corresponds to the declared performance according to number 7.

## 7. Declared Performance

Main Feature		Performance	Harmonized technical Specification
(Should) Dimensions	Length Width Height [mm]	215/102.5/65	EN 771-1:2011 +A1:2015
Border-of Dimensions	Average	Tm +5;-8;+5;+3	
	Range of measurements	Rm 10, 6, 4	
Form and training		b (Chapter 5.3.2)	
Pressure strength	Category	I	
	medium pressure resistance activity [N/mm <sup>2</sup> ]	≥ 18,8	
	load direction	perpendicular to the bed joint	
Usual moisture expansion		NPD	
Dimensional stability		NPD	
Bond strength [N/mm <sup>2</sup> ]		NPD	
Content of active soluble salts		Class S2	
Fire behavior		Euro Class A1	
Water absorption [mass - %]		≤ 15	
Water vapor permeability		5/10	
Gross Dry Density	Average [kg/m <sup>3</sup> ]	1510	
	Deviation	D1 (10%)	
	Form, training, Dimensions and limits Dimensions	see above	
Net Dry Density	Average [kg/m <sup>3</sup> ]	NPD	
	Deviation	NPD	
Thermal conductivity [W/mK]		NPD	
Durability / Frost Resistance Class		F2	DIN EN 772-22:2019-02 100 F-T-W
Dangerous substances		according to ZA.3	

8. For the preparation of the declaration of performance in one According to Regulation (EU) No. 305/2011, the above-mentioned manufacturer is solely responsible.

**This document must be carried close to the product**

Signed for and on behalf of the manufacturer:  
Emmerich,  
July 20, 2022

Dipl. Ing. M. Muhr, Managing Director