

# DECLARATION OF PERFORMANCE

## NO. KWBFH-K686NF-002



01. Unique identification code of the product-type  
HD-Facing bricks category I,  
240 x 115 x 71 mm

02. Item number  
K686NF

03. Intended use  
For structural or non-structural elements in  
unprotected or protected masonry

04. Manufacturer  
Klinkerwerk B. Feldhaus GmbH & Co.  
Nordring 1, 49196 Bad Laer, Germany

05. Not applicable

06. System 2+

07. The notified body for the factory production control  
CERT Baustoffe GmbH, Lübsche Straße 109,  
23966 Wismar, Germany, no. 2510 has performed  
the initial inspection of the factory and the factory  
production control as well as the continuous  
monitoring, evaluation and assessment of the  
factory production control and issued the certificate  
of conformity of the factory production control  
No. 2510-CPR-330.

08. Not applicable

### 09. Declared performance

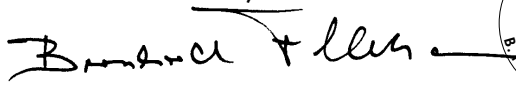
Essential characteristics		Performance	Harmonised technical specification	
Work size	Length/Width/Height [mm]	240/115/71	EN 771-1:2011	
Limit deviations	Mean value	Class		$T_m$
		Length		-10 mm, + 5 mm
		Width		$\pm 5$ mm
		Height		$\pm 3$ mm
Dimensional range	Class	Class		$R_m$
		Length		10 mm
		Width		6 mm
		Height		4 mm
Shape according to para. 5.3.2		c)		
Compressive strength	Category		I	
	Mean value [N/mm <sup>2</sup> ]		$\geq 44$	
	Stress direction		perpendicular to the bed joint	
Common hygroexpansivity		NPD		
Compound strength [N/mm <sup>2</sup> ]		Tabulated value according to annex C	EN 998:2010	
Content of active soluble salts	Class	S2	EN 771-1:2011	
Reaction to fire	Euroclass	A1		
Water absorption [Mass-%]		$\leq 6$		
Water vapour permeability $\mu$		50/100	EN 1745:2012	
Gross dry density	Mean value [kg/m <sup>3</sup> ]	1550	EN 771-1:2011	
	Deviation class	D2		
	Form, shape, measurements and tolerances	see above		
Net dry density	Mean value [kg/m <sup>3</sup> ]	2350		
	Deviation class	D2		
Thermal conductivity [W/(m·K)]		NPD		
Durability	Class	F2		
Hazardous substances		annex ZA 3		

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.

Signed for and on behalf of the manufacturer by:

Bad Laer: March 3, 2014

  
Bernhard Feldhaus, Managing Director

