

# DECLARATION OF PERFORMANCE

## NO. KWBFH-K684NF-001



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

02. Item number  
K684NF

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  
No. 0854 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. 0854-CPD-044.

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> ]	1500	EN 771-1:2011	
	Deviation class	D2		
	Form, shape, measurements and tolerances	see above		
Net dry density	Mean value [kg/m <sup>3</sup> ]	2200		
	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: June 20, 2013

Bernhard Feldhaus, Managing Director

