

**Declaration of Performance (DoP)**

DoP nr. 2013-E-KM 090

1. Product-type: KM 090 Chiltern Blend  
 2. Type number: ...  
 3. Intended uses: HD units for use in unprotected (protected) masonry walls, columns and partitions  
 4. Name and contact address of the manufacturer: Steenfabriek Klinkers B.V.; Brusselseweg 700, 6219 NP, Maastricht, The Netherlands  
 6. System of assessment and verification of constancy of performance: 2+  
 7. The Notified Body: IKOB BKB  
 Notified Body BCCA N° NB 0749 performed under system 2+ the initial inspection of the manufacturing plant and of the factory production control, performed the continuous surveillance, assessment and evaluation of the factory production control and issued the certificate of conformity of the factory production control .  
 8. production control .  
 9. Declared performance:

HD Masonry brick (Category I, according to EN 771-1:2011)			
Essential characteristics	Performance		Harmonized technical specification
Length	215	mm	
Width	100	mm	
Height	65	mm	
Dimensional tolerances (l / w / h)	T1	± 6 / 4 / 3	mm
Range (l / w / h)	Rm	14 / 10 / 6	mm
Flatness of bed faces	NPD		
Parallelism of bed faces	NPD		
Gross dry density	1550	kg/m <sup>3</sup>	
Net dry density	WNG WDF		kg/m <sup>3</sup>
Density tolerance: Class / %	D1	± 10	%
Volume of frogs	NPD		%
Group Eurocode	1		
Mean compressive strength perpendicular to bed faces	15	N/mm <sup>2</sup>	
Normalized compressive strength perpendicular to bed faces	15	N/mm <sup>2</sup>	
Compressive strength not perpendicular to bed faces	NPD		N/mm <sup>2</sup>
Bond strength	NPD		N/mm <sup>2</sup>
Thermal conductivity λ <sub>10,dry,unit</sub>	0.45	W/m.K	EN 1745:2012
Water vapour permeability	50/100		EN 1745:2012
Durability against freeze/thaw: freeze/thaw resistance	F2		
Free water absorption	20		%
Initial rate of water absorption:	1,0 - 5,0	kg/m <sup>2</sup> .min	
Active soluble salts content	S2		
Dimensional stability : moisture movement	NPD		mm/m
Dangerous substances	Complies		NL-BBk
Reaction to fire	NPD		

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:

Function

Place and date of issue

Signature

I. Brabant  
 General manager  
 Maastricht, 28-6-2013

