

**Declaration of Performance (DoP)**

DoP nr. 2013-E-KM 6059-1

1. Product-type: KM 6059-1 Barnhouse Blend
2. Type number: ...
3. Intended uses: HD units for use in unprotected (protected) masonry walls, columns and partitions
4. Name and contact adress 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.
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 strenght perpendicular to bed faces       | 15             | N/mm <sup>2</sup>      |                                    |
| Normalized compressive strenght perpendicular to bed faces | 15             | N/mm <sup>2</sup>      |                                    |
| Compressive strenght not perpendicular to bed faces        | NPD            | N/mm <sup>2</sup>      |                                    |
| Bond strength  | NPD            | N/mm <sup>2</sup>      |                                    |
| Thermal conductivity λ10,dry,unit                          | 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: I. Brabant  
Function: General manager  
Place and date of issue: Maastricht, 28-6-2013  
Signature: 