

Declaration of Performance



1. Unique identification code of the product type:

Carlton Brick 73mm Willerby Red, Group HD Category II

2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4):

7773

3. Identified use or uses of the construction product, in accordance with the applicable harmonised technical specification as foreseen by the manufacturer:

Facing and rendered masonry, load bearing or non load bearing masonry structures including internal linings and partitions for buildings and civil engineering

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5):

**Carlton Main Brickworks Ltd
Clayburn Road
Grimethorpe
Barnsley
South Yorkshire S72 7BE**

5. System or systems of assessment and verification of constancy of performance of the product as set out in Annex V:

System 4

6. Declared Performance:

| Essential Characteristics | Performance | Harmonised Technical Specification |
|--------------------------------------|---|------------------------------------|
| Dimensions and Dimensional Tolerance | 215 x 102.5 x 73mm Tolerance Class T2 Range Class R1 | EN 771-1: 2011 |
| Configuration | Vertically Perforated 30% Voids Unit as shown in Figure 3 (c) of EN 771-1. Conforms to the requirements of Group 2 masonry units to EN 1996-1-1 | |
| Compressive Strength | ≥40 N/mm ² (tested normal to the bed face of the unit) Cat II | |
| Dimensional Stability | NPD | |
| Bond Strength | Fixed 0.15N/mm ² | |
| Active Soluble Salts | Class S2 | Commission Decision 2000/605/EC |
| Reaction To Fire | Class A1 | |
| Water Absorption | ≤10% | EN 771-1: 2011 |
| Water Vapour Permeability | 5/10 | |
| Direct Airborne Sound Insulation | Gross Dry Density 1600kg/m ³ Configuration as above | |
| Equivalent Thermal Conductivity | 0.62 W/m.K [$\lambda_{10, dry}$] | |
| Durability Against Freeze Thaw | F2 | |
| Dangerous Substances | NPD | |

7. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 6.

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:

J. Hirst

**J HIRST
TECHNICAL SERVICES MANAGER**

Grimethorpe UK 01 January 2015