



## DECLARATION of PERFORMANCE

No. 18947

1. Unique identification code of the product type:  
**Aggregate Concrete Masonry Unit 24N Dense Coursing Brick**
2. Intended use: **Walls, columns and partitions**
3. Manufacturer:  
**Mansfield Sand Company Ltd (Brick Division).**  
**Crown Farm Way**  
**Forest Town**  
**Mansfield**  
**Nottinghamshire**  
**NG19 0FT**
4. AVCP: **System 4**
5. Harmonised Standard: **EN 771-3:2011 +A1:2015**
6. Declared performance:

| Essential characteristics                |                        | Performance  |
|--|------------------------|--|
| Dimensions                               | Length mm              | 215  |
|  | Width mm               | 100  |
|  | Height mm              | 65   |
|  | Tolerance Category     | D1   |
| Configuration                            |                        | Group 1  |
| Compressive strength                     | Mean                   | 24N/mm <sup>2</sup>                                  |
|  | Direction of Load      | Perpendicular to bed face                            |
|  | Unit category          | Category 11  |
| Dimension Stability                      |                        | NPD  |
| Bond strength                            | Shear bond strength    | 0.15N/mm <sup>2</sup> (tabulated value)              |
|  | Flexural bond strength | NPD  |
| Reaction to fire                         |                        | Euroclass A1<br>(Commission Decision 2000/605/EC)    |
| Water Absorption                         |                        | NPD  |
| Water vapour permeability                |                        | 5/15 (tabulated value)                               |
| Direct airborne sound insulation         |                        | 2,100 kg/m <sup>3</sup><br>Group 1                   |
| Gross Density                            |                        |  |
| Configuration; dimensions and tolerances |                        |  |
| Thermal resistance                       |                        | 1.11 W/(mK) [ $\lambda_{10,dry}$ ] (tabulated value) |
| Durability against freeze/thaw           |                        | NPD  |

The performance of the product identified above is in conformity with the declared performance. This declaration of performance is issued in accordance with Regulation (EU) No. 305/2011 under the sole responsibility of the manufacturer.

Signed for and on behalf of the Mansfield Sand Company Ltd:

Andrew Ward  
Technical Manager

...*A. Ward*.....  
16.09.18



**Mansfield Sand Company Ltd (Brick Division).  
Crown Farm Way, Forest Town, Mansfield, Nottinghamshire, NG19 0FT**

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**EN 771-3:2011 +A1:2015**

**Product: Aggregate Concrete Masonry Unit 24N Dense Coursing Brick**

**Intended use: Walls, columns and partitions**

**Dimensions: L:215mm, W:100mm, H:65mm**

**Dimension tolerances:**

**Category: D1**

**Configuration: Group 1**

**Compressive strength: mean 24N/mm<sup>2</sup>**

**Reaction to fire: Euroclass A1**

**Water Absorption: NPD**

**Water vapour diffusion: 5/15**

**Direct airborne sound insulation:**

**Gross dry density: 2,100 kg/m<sup>3</sup>**

**Configuration: Group 1**

**Durability against freeze/thaw: NPD**