



DECLARATION of PERFORMANCE

No. 19706

1. Unique identification code of the product type:
Aggregate Concrete Masonry Unit 20N Concrete Infill Block
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 | 172 |
| | Width mm | 98 |
| | Height mm | 105 |
| | Tolerance Category | D2 |
| Configuration | | Group 1 |
| Compressive strength | Mean | 20N/mm ² |
| | Direction of Load | Perpendicular to bed face |
| | Unit category | Category 11 |
| Dimension Stability | | NPD |
| Bond strength | Shear bond strength | 0.15N/mm ² (tabulated value) |
| | Flexural bond strength | NPD |
| Reaction to fire | | Euroclass A1 (Commission Decision 2000/605/EC) |
| Water Absorption | | NPD |
| Water vapour permeability | | 5/15 (tabulated value) |
| Direct airborne sound insulation | | 2,075 kg/m ³ Group 1 |
| Gross Density | | |
| Configuration; dimensions and tolerances | | |
| Thermal resistance | | 1.09 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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19706

EN 771-3:2011 +A1:2015

Product: Aggregate Concrete Masonry Unit 20N Concrete Infill Block

Intended use: Walls, columns and partitions

Dimensions: L:172mm, W:98mm, H:105mm

Dimension tolerances:

Category: D2

Configuration: Group 1

Compressive strength: mean 20N/mm²

Reaction to fire: Euroclass A1

Water Absorption: NPD

Water vapour diffusion: 5/15

Direct airborne sound insulation:

Gross dry density: 2,075 kg/m³

Configuration: Group 1

Durability against freeze/thaw: NPD