



DECLARATION of PERFORMANCE

No. 19814

1. Unique identification code of the product type:
Aggregate Concrete Masonry Unit 7.3N Medium Dense CL Block 340mm
2. Intended use: **In block and beam floor systems**
3. Manufacturer:
Mansfield Sand Company Ltd (Brick Division).
Crown Farm Way
Forest Town
Mansfield
Nottinghamshire
NG19 0FT
4. AVCP: **System 4**
5. Designated Standard: **BS EN 771-3**
6. Declared performance:

| Essential characteristics | | Performance |
|--|------------------------|--|
| Dimensions | Length mm | 340 |
| | Width mm | 100 |
| | Height mm | 140 |
| | Tolerance Category | D1 |
| Configuration | | Group 1 |
| Compressive strength | Mean | 7.3N/mm ² |
| | Direction of Load | 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 | | A1 (Commission Decision 2000/605/EC) |
| Water Absorption | | NPD |
| Water vapour permeability | | 5/15 (tabulated value) |
| Direct airborne sound insulation | | 1,575 kg/m ³ Group 1 |
| Gross Density | | |
| Configuration; dimensions and tolerances | | |
| Thermal resistance | | 0.81 W/(mK) [$\lambda_{10,dry}$] (tabulated value) |
| Durability against freeze/thaw | | Not to be left exposed. |

Mansfield Sand Company Ltd (Brick Division) confirm that the product identified, is in conformity of the declared performance and complies with the requirements of BS EN 771-3 including annex ZA attestation of conformity system 4.

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

Andrew Ward
Technical Manager

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

14.06.21



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

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19814

BS EN 771-3

**Product: Aggregate Concrete Masonry Unit 7.3N Medium Dense CL Block
340mm**

Intended use: In block and beam floor systems

Dimensions: L:340mm, W:100mm, H:140mm

Dimension tolerances

Category: D1

Configuration: Group 1

Compressive strength: mean 7.3N/mm²

Reaction to fire: A1

Water Absorption: NPD

Water vapour diffusion: 5/15

Direct airborne sound insulation:

Gross dry density: 1,575 kg/m³

Thermal resistance: 0.81 W/(mK) [λ 10,dry]

Durability against freeze/thaw: Not to be left exposed