



DECLARATION of PERFORMANCE

No. 19687

1. Unique identification code of the product type:
Aggregate Concrete Masonry Unit 10.5N Medium Density 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. Designated Standard: **BS EN 771-3**
6. Declared performance:

Essential characteristics		Performance
Dimensions	Length mm	172
	Width mm	100
	Height mm	105
	Tolerance Category	D1
Configuration		Group 1
Compressive strength	Mean	10.5N/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		1,600 kg/m ³ Group 1
Gross Density		
Configuration; dimensions and tolerances		
Thermal conductivity		0.83 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*.....
09.08.22



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

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BS EN 771-3

Product: Aggregate Concrete Masonry Unit 10.5N Medium Density Infill Block

Intended use: Walls, columns and partitions

Dimensions: L:172mm, W:100mm, H:105mm

Dimension tolerances

Category: D1

Configuration: Group 1

Compressive strength: mean 10.5N/mm²

Reaction to fire: A1

Water Absorption: NPD

Water vapour diffusion: 5/15

Direct airborne sound insulation:

Gross dry density: 1,600 kg/m³

Thermal conductivity: 0.83 W/(mK) [$\lambda_{10,dry}$]

Durability against freeze/thaw: Not to be left exposed