



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. Harmonised Standard: **EN 771-3:2011 +A1:2015**
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		Euroclass 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 resistance		0.83 W/(mK) [$\lambda_{10,dry}$] (tabulated value)
Durability against freeze/thaw		Not to be left exposed

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*.....

02.11.20



**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 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: Euroclass A1

Water Absorption: NPD

Water vapour diffusion: 5/15

Direct airborne sound insulation:

Gross dry density: 1,600 kg/m³

Thermal resistance: 0.83 W/(mK) [λ 10,dry]

Durability against freeze/thaw: Not to be left exposed