



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	98
	Height mm	105
	Tolerance Category	D2
Configuration		Group 1
Compressive strength	Mean	10.5N/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		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		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 10.5N Medium Density 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 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

Configuration: Group 1

Durability against freeze/thaw: NPD