



## DECLARATION of PERFORMANCE

No. 19810

1. Unique identification code of the product type:  
**Aggregate Concrete Masonry Unit 7.3N Medium Dense CL Block 530mm x140mm**
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. Harmonised Standard: **EN 771-3:2011 +A1:2015**
6. Declared performance:

Essential characteristics		Performance
Dimensions	Length mm	530
	Width mm	140
	Height mm	140
	Tolerance Category	D2
Configuration		Group 1
Compressive strength	Mean	7.3N/mm <sup>2</sup>
	Direction of Load	Perpendicular to bed face
	Unit category	Category 11
Dimension Stability		NPD
Bond strength	Shear bond strength	0.15N/mm <sup>2</sup> (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		
Gross Density		1,575 kg/m <sup>3</sup>
Configuration; dimensions and tolerances		Group 1
Thermal resistance		0.81 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 7.3N Medium Dense CL Block  
530mm x140mm**

**Intended use: In block and beam floor systems**

**Dimensions: L:530mm, W:140mm, H:140mm**

**Dimension tolerances:**

**Category: D2**

**Configuration: Group 1**

**Compressive strength: mean 7.3N/mm<sup>2</sup>**

**Reaction to fire: Euroclass A1**

**Water Absorption: NPD**

**Water vapour diffusion: 5/15**

**Direct airborne sound insulation:**

**Gross dry density: 1,575 kg/m<sup>3</sup>**

**Configuration: Group 1**

**Durability against freeze/thaw: NPD**