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BRICK18 - MSG - 18N Solid Block

McFadden & McGinley T/A Muckish Sand & Gravel

Carrownamaddy

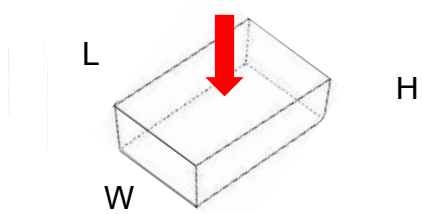
Dunfanaghy

Co. Donegal

EN 771-3:2011 + A1:2015

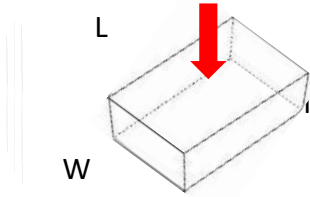
0050 - CPR - 1168

Intended Use: Common masonry unit for use as external walls, or as internal walls in load bearing or non-load bearing building and civil engineering applications

<u>Essential Characteristic</u>	<u>Performance</u>
Dimensions (LxWxH) mm	200x100x65
Dimensional Tolerances (Category)	D1 (+3mm, -5mm)
Configuration Shape and Features 	Group 1
Compressive Strength	
Mean Compressive Strength	18 N/mm ²
Direction of Load	On Length x Width surface
Unit Category	Category 1
Dimensional Stability (moisture movement)	<0.6mm/m
Bond Strength	
Shear Bond Strength	0.15 N/mm ²
Flexural Bond Strength	0.50 N/mm ²
Reaction to Fire	A1
Water Absorption	<20g/m ² s
Direct Airbourne Sound Insulation	>1900 Kg/m ³
Thermal Resistance	1.11 w/mK (λ10/dry)
Durability against Freeze/Thaw	Suitable for use in: Masonry Condition Situations A1 and A2 as outlined in Table 14 of S.R. 325:2013+A2:2018. (Work below or near external ground level) – MX2.1/2.2 · net density ≥ 1,900 kg/m ³ , · mean compressive strength ≥ 18 N/mm ² · aggregate in accordance with I.S. EN 12620 and S.R. 16:2016 · Mortar Strength Class: M4 for A1 or M6 for A2

DECLARATION OF PERFORMANCE No: BRICK18

1. **Unique Identification Codes for the product types:** BRICK - MSG - 18N Solid Block
2. **Intended use:** In masonry walls, columns and partitions
3. **Manufacturer:** Mucksih Sand & Gravel, Carrownamaddy, Dunfanaghy, Co. Donegal F92 PK10
4. **Authorised Representative:**
5. **System of AVCP:** AVCP System 2+
6. **Harmonised Standard:** EN 771-3:2011 + A1:2015
7. **Notified certification body:** NSAI - 0050
8. **Declared Performance:**

Essential Characteristic	Performance
Dimensions (LxWxH) mm	200x100x65
Dimensional Tolerances (Category)	D1 (+3mm, -5mm)
Configuration Shape and Features 	
Grouping to EN 1996-1-1	Group 1
Compressive Strength Mean Compressive Strength Direction of Load Unit Category	18 N/mm ² On Length x Width surface Category 1
Dimensional Stability (moisture movement)	<0.6mm/m
Bond Strength Shear Bond Strength Flexural Bond Strength	0.15 N/mm ² 0.50 N/mm ²
Reaction to Fire	A1
Water Absorption	<20g/m ² s
Water Vapour Permeability	5/15μ (Tabulated value)
Direct Airbourne Sound Insulation	>1900 Kg/m ³
Thermal Resistance	1.11 w/mK (λ10/dry)
Durability against Freeze/Thaw Suitable for use in: Masonry Condition Situations A1 and A2 as outlined in Table 14 of S.R. 325:2013+A2:2018. (Work below or near external ground level) – MX2.1/2.2 · net density ≥ 1,900 kg/m ³ , · mean compressive strength ≥ 18 N/mm ² · aggregate in accordance with I.S. EN 12620 and S.R. 16:2016 · Mortar Strength Class: M4 for A1 or M6 for A2	
Dangerous Substances	NPD

The performance of the product identified above is in conformity with the declared performances.

This declaration of performance is issued in accordance with Regulation (EU) No. 305/2011 under the sole responsibility of the manufacturer identified above

Signed for and on behalf of the manufacturer by: Bernard McGinley, Managaing Director

At: Carrownamaddy, Dunfanaghy, Co. Donegal, F92 PK10 on:

Signed: *Bernard McGinley*

www.muckishsandandgravel.net