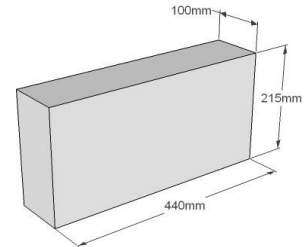


Declaration of Performance

DOP/ER/100/7.5

7.5N 100mm Solid Block

Esker Readymix, Esker,
Athenry, Co. Galway



- 1. Unique Identification code of the product - type:** Code – 100/7.5- 7.5N 100mm Solid Block
- 2. Intended use:** Common masonry unit for use as external walls, or as internal walls, in load bearing or non-load bearing and civil engineering applications.
- 3. Manufacturer:** Esker Readymix Ltd, Esker, Athenry Co. Galway.
- 4. Authorised Representative:** N/A
- 5. System of AVCP:** System 2+
- 6a. Harmonised Standard:** I.S. EN 771-3:2011 **Notified body:** NSAI:(No. 0050 - CPR - 0287)

7. Declared Performance

Characteristic	Declared Performance	Harmonised Technical Specification
Dimensions	(L x W x H) 440mm, 100mm, 215mm	I.S. EN 772-16
Dimensional Tolerances	Class D1	I.S. EN 772-16
Configuration	Category I, Group 1 unit	I.S EN 1996-1-1
Compressive Strength (Characteristic)	Category 1, 7.5N/mm ²	I.S. EN 772-1
Dimensional Stability Moisture Movement	< 0.6mm/m	I.S. EN 772-14 / Table NA.7 EN 1996-1-1
Bond Strength Shear Bond Strength	0.15N/mm ²	I.S. EN 998-2 (Tabulated Value)
Flexural Bond Strength	0.5N/mm ²	N/A
Reaction to Fire	Class A1	I.S. EN 1996-1-2 Annex A (Tabulated Value)
Water Absorption	≤20 g/m ² s	N/A
Water Vapour Permeability	5/15μ	I.S. EN 1745 Annex A (Tabulated Value)
Direct airborne sound insulation: Gross Dry Density	>1900kg/m ³	I.S. EN 772-13
Configuration	As above	N/A
Dimensions and tolerances	As above	N/A
Thermal Conductivity	0.90 - 1.00W/mK (λ10,dry Mat)	I.S. EN 1745 Annex A (Tabulated Value)
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 <ul style="list-style-type: none"> • Net density ≥1500kg/m³ • Mean compressive strength ≥7.5N/mm² • Aggregate in accordance with I.S. EN12620 and S.R.16:2016 • Mortar Strength Class: M4 for A1 or M6 for A2 	I.S. EN 771-3
Dangerous Substances	NPD	See Note Below

8. N/A

<https://www.eskerreadymix.ie/concrete-blocks/>

The performance of the product identified above is in conformity with the set of 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:

Oliver Forde of Esker Readymix Co. Galway on 18th October 2023





0050

Esker Readymix
Esker, Athenry Co. Galway
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0050 - CPR - 0287

EN 771-3

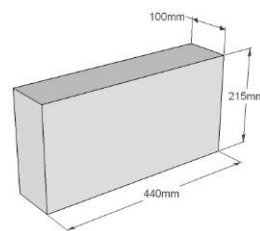
7.5N 100mm Solid Block

Category I - 440mm, 100mm, 215mm aggregate concrete masonry unit

Dimensions	Declared value	(L x W x H) 440mm, 100mm, 215mm
Dimensional Tolerances	Declared Category	Class D1
Configuration	Declared	Group 1 unit to I.S. EN 1996-1-1
Compressive Strength	Characteristic	7.5N/mm ²
Dimensional Stability Moisture Movement	Declared Value	< 0.6mm/m
Bond Strength Shear Bond Strength	Declared value	0.15N/mm ² (I.S. EN 998-2)(Tabulated Value)
Flexural Bond Strength	Declared Value	0.5N/mm ²
Reaction to Fire	Declared Class	A1 (I.S. EN 1996-1-2 Annex A)(Tabulated Value)
Water Absorption	Declared Value	≤20 g/m ² s
Water Vapour Permeability	Declared value	5/15μ (I.S. EN 1745 Annex A)(Tabulated Value)

Direct airborne sound insulation:

Gross Dry Density	Declared	> 1900 kg/m ³
Configuration	Declared	



Dimensions and tolerances	Declared	As above
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Thermal Conductivity	Declared Value	0.90 - 1.00 W/mK (λ10,dry Mat)(I.S. EN 1745 Annex A)(Tabulated Value)
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Durability Against Freeze Thaw	Declared	
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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 ≥1500kg/m³
- Mean compressive strength ≥7.5N/mm²
- Aggregate in accordance with I.S. EN12620 and S.R.16:2016
- Mortar Strength Class: M4 for A1 or M6 for A2

Dangerous Substances	Declared	NPD
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