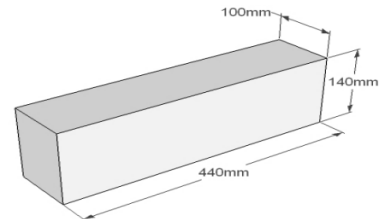


## Declaration of Performance

DOP/ER/140S/13

### 13N 140mm Soap Bar

Esker Readymix, Esker,  
Athenry, Co. Galway



- 1. Unique Identification code of the product - type:** Code – 140S/7.5- 13N 140mm Soap Bar
- 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
<b>Dimensions</b>	(L x W x H) 440mm, 140mm, 100mm	I.S. EN 772-16
<b>Dimensional Tolerances</b>	Class D1	I.S. EN 772-16
<b>Configuration</b>	Category I, Group 1 unit	I.S. EN 1996-1-1
<b>Compressive Strength (Characteristic)</b>	13N/mm <sup>2</sup>	I.S. EN 772-1
<b>Dimensional Stability</b> Moisture Movement	< 0.6mm/m	I.S. EN 772-14 / Table NA.7 EN 1996-1-1
<b>Bond Strength</b> Shear Bond Strength	0.15N/mm <sup>2</sup>	I.S. EN 998-2 (Tabulated Value)
Flexural Bond Strength	0.5N/mm <sup>2</sup>	N/A
<b>Reaction to Fire</b>	Class A1	I.S. EN 1996-1-2 Annex A (Tabulated Value)
<b>Water Absorption</b>	≤20 g/m <sup>2</sup> s	N/A
<b>Water Vapour Permeability</b>	5/15μ	I.S. EN 1745 Annex A (Tabulated Value)
<b>Direct airborne sound insulation:</b> Gross Dry Density	>1900kg/m <sup>3</sup>	I.S. EN 772-13
Configuration	As above	N/A
Dimensions and tolerances	As above	N/A
<b>Thermal Conductivity</b>	0.90 - 1.00W/mK (λ10,dry Mat)	I.S. EN 1745 Annex A (Tabulated Value)
<b>Durability Against Freeze Thaw</b>	Suitable for use in: <b>Masonry Condition Situations A1 and A2</b> 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"> <li>• Net density ≥1500kg/m<sup>3</sup></li> <li>• Mean compressive strength ≥13N/mm<sup>2</sup></li> <li>• Aggregate in accordance with I.S. EN12620 and S.R.16:2016</li> <li>• Mortar Strength Class: M4 for A1 or M6 for A2</li> </ul>	I.S. EN 771-3
<b>Dangerous Substances</b>	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 18<sup>th</sup> October 2023





**0050**

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

**EN 771-3**

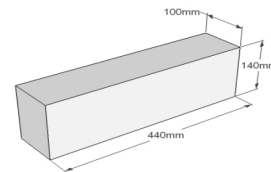
**13N 140mm Soap Bar**

**Category I - 440mm, 140mm, 100mm aggregate concrete masonry unit**

<b>Dimensions</b>	Declared value	(L x W x H) 440mm, 140mm, 100mm
<b>Dimensional Tolerances</b>	Declared Category	Class D1
<b>Configuration</b>	Declared	Group 1 unit to I.S. EN 1996-1-1
<b>Compressive Strength</b>	Characteristic	13N/mm <sup>2</sup>
<b>Dimensional Stability</b> Moisture Movement	Declared Value	< 0.6mm/m
<b>Bond Strength</b> Shear Bond Strength	Declared value	0.15N/mm <sup>2</sup> (I.S. EN 998-2)(Tabulated Value)
Flexural Bond Strength	Declared Value	0.5N/mm <sup>2</sup>
<b>Reaction to Fire</b>	Declared Class	A1 (I.S. EN 1996-1-2 Annex A)(Tabulated Value)
<b>Water Absorption</b>	Declared Value	≤20 g/m <sup>2</sup> s
<b>Water Vapour Permeability</b>	Declared value	5/15μ (I.S. EN 1745 Annex A)(Tabulated Value)

**Direct airborne sound insulation:**

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



Dimensions and tolerances	Declared	As above
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<b>Thermal Conductivity</b>	Declared Value	0.90 - 1.00 W/mK (λ10,dry Mat)(I.S. EN 1745 Annex A)(Tabulated Value)
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<b>Durability Against Freeze Thaw</b>	Declared	<p>Suitable for use in: <b>Masonry Condition Situations A1 and A2</b> as outlined in Table 14 of S.R. 325:2013+A2:2018 (Work below or near external ground level)-Mx2.1/2.2</p> <ul style="list-style-type: none"> <li>• Net density ≥1500kg/m<sup>3</sup></li> <li>• Mean compressive strength ≥13N/mm<sup>2</sup></li> <li>• Aggregate in accordance with I.S. EN12620 and S.R.16:2016</li> <li>• Mortar Strength Class: M4 for A1 or M6 for A2</li> </ul>
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<b>Dangerous Substances</b>	Declared	NPD
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