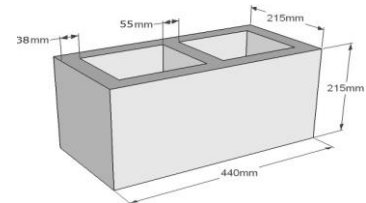


# Declaration of Performance

**DOP/HB001**

**7.5N 215mm Hollow Block**

Dunbriar Ltd. T/A Corcoran Concrete.  
Ballinrobe Road, Westport,  
Co. Mayo



- 1. Unique Identification code of the product - type:** Code – HB001 - 7.5N 215mm Hollow Block
- 2. Intended use:** As a common masonry unit and internal walls in bearing or non-load bearing building & civil engineering applications.
- 3. Manufacturer:** Dunbriar Ltd. T/A Corcoran Concrete., Ballinrobe Road, Westport, Co. Mayo
- 4. Authorised Representative:** N/A
- 5. System of AVCP:** System 2+
- 6a. Harmonised Standard:** I.S. EN 771-3:2011 **Notified body:** NSAI (0050 - CPR - 0448)
- 7. Declared Performance**

Characteristic	Declared Performance	Harmonised Technical Specification
<b>Dimensions</b>	(L x W x H) 440mm, 215mm, 215mm	I.S. EN 772-16
<b>Dimensional Tolerances</b>	Class D1 (+3mm, -5mm)	I.S. EN 772-16 *Annex C.3 of S.R. 325:2013+A2:2018
<b>Configuration</b>	Category I, Group 2 unit	I.S. EN 1996-1-1 *Annex C.5 of S.R. 325:2013+A2:2018
<b>Compressive Strength (Mean)</b>	7.5N/mm <sup>2</sup>	I.S. EN 772-1 *Annex C.4 and C.5 of S.R. 325:2013+A2:2018 Building Regulations – Part A (Structure) NPD
<b>Dimensional Stability</b>  Moisture Movement	<0.6mm/m	I.S. EN 772-14 Movement joints required at 7 Meter centers as per clause 5.4.3.4 of SR 325 (Or as specified by competent person) *Annex C.6 of S.R. 325:2013+A2:2018 & Table NA.6 of NA:2010+A1:2014 to I.S. EN 1996-1-1:2005+A1:2012 NPD
<b>Bond Strength</b>  Shear Bond Strength	0.15 N/mm <sup>2</sup>	I.S. EN 998-2 (Tabulated) *Table NA.5 of NA:2010+A1:2014 to I.S. EN 1996-1-1:2005+A1:2012
 Flexural Bond Strength	0.5 N/mm <sup>2</sup>	I.S. EN 998-2 *Table NA.5 of NA:2010+A1:2014 to I.S. EN 1996-1-1:2005+A1:2012
<b>Reaction to Fire</b>	Class A1	Based on Commission Decision 200/605 EC amending 96/603 EC (Refer to I.S. EN 1996-1-2 National Annex Table NA. 3.1/3.2 & 3.3 for fire rating of wall constructed with class A1 units)
<b>Water Absorption due to Capillary Action</b>	<20 g/(m <sup>2</sup> .s) 7.5N Not to be left unrendered in exposed conditions. Refer to the clause above. All strengths: Not to be used as a DPM.	I.S. EN 772 – 11
<b>Water Vapour Permeability</b>	5/15μ	I.S. EN 1745 Annex A (Tabulated Value)
<b>Direct airborne sound insulation:</b>  Gross Dry Density Net Dry Density	>1200kg/m <sup>3</sup> >1900kg/m <sup>3</sup>	I.S. EN 772-13 *Building Regulation – Part E (Sound) NPD
<b>Thermal Conductivity</b>	1.01 – 1.19 W/mK (λ10, dry)	I.S. EN 1745 Annex A (Tabulated) *Building Reg. – Part L (Coms. Of Fuel & Energy)
<b>Durability Against Freeze Thaw</b>	Masonry Conditions/Situations in Table 14 (Durability of masonry in finished construction) of S.R. 325:2013+A2:2018 and used in accordance with Irish Building Regulations (including Technical Guidance Documents C & D), Eurocodes, I.S. EN 13914 – 1 & 2:2016 and S.R. 325:2013+A2:2018	<ul style="list-style-type: none"> <li>• Irish Building Regulations (including Technical Guidance Documents C &amp; D)</li> <li>• Eurocodes</li> <li>• I.S. EN 1996-1-1:2005 (Eurocode 6: Design of masonry structures. General rules for reinforced and unreinforced masonry structures (+A1:2012) (including Irish National Annex +A1:2014))</li> <li>• I.S. EN 1996-2:2006 (Eurocode 6: Design of masonry structures. Design considerations, selection of materials and execution of</li> </ul>

	<p>Masonry Conditions/Situations:</p> <p><b>D</b> *Rendered external walls, (other than chimneys, capping, copings, parapets, sills).</p> <p><b>E</b> Internal walls and inner leaves of cavity, MX1</p> <p><b>J1</b> *Rendered freestanding boundary and screen walls with copings or capping min. 40mm overhang, classes MX3.1, MX3.2</p> <p>Category 1, Group 2:</p> <ul style="list-style-type: none"> <li>• Net density <math>\geq 1500 \text{ kg/m}^3</math></li> <li>• Mean compressive strength <math>\geq 7.5 \text{ N/mm}^2</math></li> <li>• Aggregate in accordance with I.S. EN 12620 and S.R.16:2016</li> <li>• D &amp; E mortar strength class: M4</li> <li>• J1 mortar strength class: M6</li> </ul>	<p>masonry (includes Irish National Annex - NA:2010))</p> <ul style="list-style-type: none"> <li>• S.R. 325:2013+A2:2018 (including Clause 5.5 (Exclusion of moisture), Clause 5.6 (Durability) &amp; Table 14)</li> <li>• I.S. EN 13914 - 1 &amp; 2: 2016</li> </ul> <p><b>Table 14 of S.R. 325:2013+A2:2018:</b></p> <p>Masonry Conditions/Situations:</p> <ul style="list-style-type: none"> <li>• D - *Rendered external walls as in A1</li> <li>• E - Internal walls and inner leaves of cavity walls MX1 as in A1</li> <li>• J1 *Rendered freestanding boundary and screen walls with copings or capping 40mm overhang, Classes MX3.1, MX3.2</li> <li>• J2 freestanding boundary and screen walls with capping 40mm overhang Classes MX3.1, MX3.2</li> </ul> <p>See masonry mortar strength classes in Table NA.3 of national annex in I.S. EN 1996-1-1:2005</p> <p><b>Table A.1 (Classification of micro conditions of exposure of completed masonry) of I.S. EN 1996-2:2006:</b></p> <ul style="list-style-type: none"> <li>• MX1 - In dry conditions</li> <li>• MX2.1 - Exposed to moisture but not exposed to freeze/thaw cycling or external sources of significant levels of sulfates or aggressive chemicals</li> <li>• MX2.2 - Exposed to severe wetting but not exposed to freeze/thaw cycling or external sources of significant levels of sulfates or aggressive chemicals</li> <li>• MX3.1 - Exposed to moisture or wetting and freeze/thaw cycling but not exposed to external sources of significant levels of sulfates or aggressive chemicals</li> <li>• MX3.2 - Exposed to severe wetting and freeze/thaw cycling but not exposed to external sources of significant levels of sulfates or aggressive chemicals</li> </ul> <p>For <b>Render</b> (including mix, thickness and number of coats), see S.R. 325:2013+A2:2018 (including Clause 5.5.3.2.1 (Applied external surface finishes), Annex E (Specification for mortar for masonry - I.S. EN 998-1 and 2) and Annex F (National guidance to I.S. EN 13914- 1:2016)) and I.S. EN 13914-1:2016 (including Clauses 5 (Materials), 6 (Design considerations) and 7 (Work on site, preparation and application of renderings)). Note: Rendering is affected by the combined action of freeze thaw cycles, wind, sun and rain, and their effects will depend upon the degree of exposure. Durability of render will depend on the correct choice of mix, thickness and number of coats and correct detailing.</p>
<b>Dangerous Substances</b>	NONE	Cement, Aggregate, Water and Admixtures comply with Relevant EN's and National SR's which prohibit the use of Dangerous Substance.

\*Reference to National Provisions / NPD = National Defined Parameter

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 by the manufacturer:

**Ballinrobe Road, Westport, Co. Mayo, 20.01.2024**

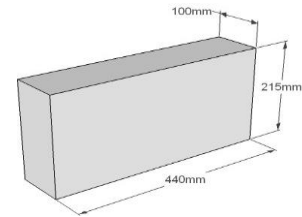
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# Declaration of Performance

**DOP/SB001**

**13N 100mm Solid Block**

Dunbriar Ltd. T/A Corcoran Concrete.  
Ballinrobe Road, Westport,  
Co. Mayo



- 1. Unique Identification code of the product - type:** Code – SB001 - 13N 100mm Solid Block
- 2. Intended use:** As a common masonry unit and internal walls in bearing or non-load bearing building & civil engineering applications.
- 3. Manufacturer:** Dunbriar Ltd. T/A Corcoran Concrete., Ballinrobe Road, Westport, Co. Mayo
- 4. Authorised Representative:** N/A
- 5. System of AVCP:** System 2+
- 6a. Harmonised Standard:** I.S. EN 771-3:2011 **Notified body:** NSAI (0050 - CPR - 0448)

**7. Declared Performance**

Characteristic	Declared Performance	Harmonised Technical Specification
<b>Dimensions</b>	(L x W x H) 440mm, 100mm, 215mm	I.S. EN 772-16
<b>Dimensional Tolerances</b>	Class D1 (+3mm, -5mm)	I.S. EN 772-16 *Annex C.3 of S.R. 325:2013+A2:2018
<b>Configuration</b>	Category I, Group 1 unit	I.S. EN 1996-1-1 *Annex C.5 of S.R. 325:2013+A2:2018
<b>Compressive Strength (Mean)</b>	13N/mm <sup>2</sup>	I.S. EN 772-1 *Annex C.4 and C.5 of S.R. 325:2013+A2:2018 Building Regulations – Part A (Structure) NPD
<b>Dimensional Stability</b>  Moisture Movement	<0.6mm/m	I.S. EN 772-14 Movement joints required at 7 Meter centers as per clause 5.4.3.4 of SR 325 (Or as specified by competent person) *Annex C.6 of S.R. 325:2013+A2:2018 & Table NA.6 of NA:2010+A1:2014 to I.S. EN 1996-1-1:2005+A1:2012 NPD
<b>Bond Strength</b>  Shear Bond Strength	0.15 N/mm <sup>2</sup>	I.S. EN 998-2 (Tabulated) *Table NA.5 of NA:2010+A1:2014 to I.S. EN 1996-1-1:2005+A1:2012
 Flexural Bond Strength	0.5 N/mm <sup>2</sup>	I.S. EN 998-2 *Table NA.5 of NA:2010+A1:2014 to I.S. EN 1996-1-1:2005+A1:2012
<b>Reaction to Fire</b>	Class A1	Based on Commission Decision 200/605 EC amending 96/603 EC (Refer to I.S. EN 1996-1-2 National Annex Table NA. 3.1/3.2 & 3.3 for fire rating of wall constructed with class A1 units)
<b>Water Absorption</b>	≤20 g/(m <sup>2</sup> *s) 7.5N Not to be left unrendered in Exposed conditions. Refer to the clause Above. All strengths: not to be used as a DPM.	I.S. EN 772 – 11
<b>Water Vapour Permeability</b>	5/15μ	I.S. EN 1745 Annex A (Tabulated Value)
<b>Direct airborne sound insulation:</b>  Gross Dry Density Net Dry Density	> 1900kg/m <sup>3</sup> > 1900kg/m <sup>3</sup>	I.S. EN 772-13 *Building Regulation – Part E (Sound) NPD
<b>Thermal Conductivity</b>	1.01 – 1.19 W/mK (λ10, dry)	I.S. EN 1745 Annex A (Tabulated) *Building Reg. – Part L (Coms. Of Fuel & Energy)
<b>Durability Against Freeze Thaw</b>	Masonry Conditions/Situations in Table 14 (Durability of masonry in finished construction) of S.R. 325:2013+A2:2018 and used in accordance with Irish Building Regulations (including Technical Guidance Documents C & D), Eurocodes, I.S. EN 13914 – 1 & 2:2016 and S.R. 325:2013+A2:2018	<ul style="list-style-type: none"> <li>• Irish Building Regulations (including Technical Guidance Documents C &amp; D)</li> <li>• Eurocodes</li> <li>• I.S. EN 1996-1-1:2005 (Eurocode 6: Design of masonry structures. General rules for reinforced and unreinforced masonry structures (+A1:2012) (including Irish National Annex +A1:2014))</li> <li>• I.S. EN 1996-2:2006 (Eurocode 6: Design of masonry structures. Design considerations, selection of materials and execution of masonry (includes Irish National Annex - NA:2010))</li> <li>• S.R. 325:2013+A2:2018 (including Clause 5.5 (Exclusion of moisture), Clause 5.6 (Durability) &amp; Table 14)</li> </ul>

	<p>Masonry Conditions/Situations A3 (work below or near external ground level) and C1 and C2 (Unrendered external walls (other than chimney, capping, copings, parapets, sills) Classes MX3.2:</p> <p>Category 1, Group 1:</p> <ul style="list-style-type: none"> <li>• Net density <math>\geq 1500 \text{ kg/m}^3</math></li> <li>• Mean compressive strength <math>\geq 13 \text{ N/mm}^2</math></li> <li>• Aggregate in accordance with I.S. EN 12620 and S.R.16:2016</li> <li>• Mortar strength class: M12</li> </ul>	<ul style="list-style-type: none"> <li>• I.S. EN 13914 - 1 &amp; 2: 2016</li> </ul> <p><b>Table 14 of S.R. 325:2013+A2:2018:</b> Masonry Conditions/Situations:</p> <ul style="list-style-type: none"> <li>• A1 - Low Risk of Saturation (1) Without Freezing (MX2.1, MX2.2) (2) With Freezing (MX3.1)</li> <li>• A2 - High Risk of Saturation Without Freezing (MX2.2)</li> <li>• A3 - High Risk of Saturation with Freezing (MX3.2)</li> <li>• C1 - Low Risk of Saturation (MX3.1)</li> <li>• C2 - High Risk of Saturation (MX3.2)</li> </ul> <p>See masonry mortar strength classes in Table NA.3 of National Annex in I.S. EN 1996-1-1:2005</p> <p><b>Table A.1 (Classification of micro conditions of exposure of completed masonry) of I.S. EN 1996-2:2006:</b></p> <ul style="list-style-type: none"> <li>• MX2.1 - Exposed to moisture but not exposed to freeze/thaw cycling or external sources of significant levels of sulfates or aggressive chemicals</li> <li>• MX2.2 - Exposed to severe wetting but not exposed to freeze/thaw cycling or external sources of significant levels of sulfates or aggressive chemicals</li> <li>• MX3.1 - Exposed to moisture or wetting and freeze/thaw cycling but not exposed to external sources of significant levels of sulfates or aggressive chemicals</li> <li>• MX3.2 - Exposed to severe wetting and freeze/thaw cycling but not exposed to external sources of significant levels of sulfates or aggressive chemicals</li> </ul> <p>For <b>Render</b> (including mix, thickness and number of coats), see S.R. 325:2013+A2:2018 (including Clause 5.5.3.2.1 (Applied external surface finishes), Annex E (Specification for mortar for masonry - I.S. EN 998-1 and 2) and Annex F (National guidance to I.S. EN 13914- 1:2016)) and I.S. EN 13914-1:2016 (including Clauses 5 (Materials), 6 (Design considerations) and 7 (Work on site, preparation and application of renderings)). Note: Rendering is affected by the combined action of freeze thaw cycles, wind, sun and rain, and their effects will depend upon the degree of exposure. Durability of render will depend on the correct choice of mix, thickness and number of coats and correct detailing.</p>
<b>Dangerous Substances</b>	NONE	Cement, Aggregate, Water and Admixtures comply with Relevant EN's and National SR's which prohibit the use of Dangerous Substance.

\*Reference to National Provisions / NPD = National Defined Parameter

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 by the manufacturer:

**Ballinrobe Road, Westport, Co. Mayo, 20.01.2024**

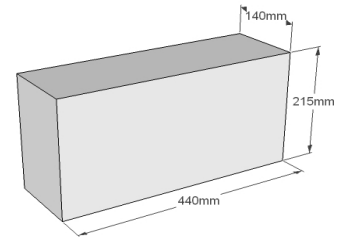
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# Declaration of Performance

DOP/SB002

## 13N 140mm Solid Block

Dunbriar Ltd. T/A Corcoran Concrete.  
Ballinrobe Road, Westport,  
Co. Mayo



- 1. Unique Identification code of the product - type:** Code – SB002 - 13N 140mm Solid Block
- 2. Intended use:** As a common masonry unit and internal walls in bearing or non-load bearing building & civil engineering applications.
- 3. Manufacturer:** Dunbriar Ltd. T/A Corcoran Concrete., Ballinrobe Road, Westport, Co. Mayo
- 4. Authorised Representative:** N/A
- 5. System of AVCP:** System 2+
- 6a. Harmonised Standard:** I.S. EN 771-3:2011 **Notified body:** NSAI (0050 - CPR - 0448)

### 7. Declared Performance

Characteristic	Declared Performance	Harmonised Technical Specification
<b>Dimensions</b>	(L x W x H) 440mm, 140mm, 215mm	I.S. EN 772-16
<b>Dimensional Tolerances</b>	Class D1 (+3mm, -5mm)	I.S. EN 772-16 *Annex C.3 of S.R. 325:2013+A2:2018
<b>Configuration</b>	Category I, Group 1 unit	I.S. EN 1996-1-1 *Annex C.5 of S.R. 325:2013+A2:2018
<b>Compressive Strength (Mean)</b>	13N/mm <sup>2</sup>	I.S. EN 772-1 *Annex C.4 and C.5 of S.R. 325:2013+A2:2018 Building Regulations – Part A (Structure) NPD
<b>Dimensional Stability</b>  Moisture Movement	<0.6mm/m	I.S. EN 772-14 Movement joints required at 7 Meter centers as per clause 5.4.3.4 of SR 325 (Or as specified by competent person) *Annex C.6 of S.R. 325:2013+A2:2018 & Table NA.6 of NA:2010+A1:2014 to I.S. EN 1996-1-1:2005+A1:2012 NPD
<b>Bond Strength</b>  Shear Bond Strength	0.15 N/mm <sup>2</sup>	I.S. EN 998-2 (Tabulated) *Table NA.5 of NA:2010+A1:2014 to I.S. EN 1996-1-1:2005+A1:2012
 Flexural Bond Strength	0.5 N/mm <sup>2</sup>	I.S. EN 998-2 *Table NA.5 of NA:2010+A1:2014 to I.S. EN 1996-1-1:2005+A1:2012
<b>Reaction to Fire</b>	Class A1	Based on Commission Decision 200/605 EC amending 96/603 EC (Refer to I.S. EN 1996-1-2 National Annex Table NA. 3.1/3.2 & 3.3 for fire rating of wall constructed with class A1 units)
<b>Water Absorption</b>	≤20 g/(m <sup>2</sup> *s) 7.5N Not to be left unrendered in Exposed conditions. Refer to the clause Above. All strengths: not to be used as a DPM.	I.S. EN 772 – 11
<b>Water Vapour Permeability</b>	5/15μ	I.S. EN 1745 Annex A (Tabulated Value)
<b>Direct airborne sound insulation:</b>  Gross Dry Density Net Dry Density	>1900kg/m <sup>3</sup> >1900kg/m <sup>3</sup>	I.S. EN 772-13 *Building Regulation – Part E (Sound) NPD
<b>Thermal Conductivity</b>	1.01 – 1.19 W/mK (λ10, dry)	I.S. EN 1745 Annex A (Tabulated) *Building Reg. – Part L (Coms. Of Fuel & Energy)
<b>Durability Against Freeze Thaw</b>	Masonry Conditions/Situations in Table 14 (Durability of masonry in finished construction) of S.R. 325:2013+A2:2018 and used in accordance with Irish Building Regulations (including Technical Guidance Documents C & D), Eurocodes, I.S. EN 13914 – 1 & 2:2016 and S.R. 325:2013+A2:2018	<ul style="list-style-type: none"> <li>Irish Building Regulations (including Technical Guidance Documents C &amp; D)</li> <li>Eurocodes</li> <li>I.S. EN 1996-1-1:2005 (Eurocode 6: Design of masonry structures. General rules for reinforced and unreinforced masonry structures (+A1:2012) (including Irish National Annex +A1:2014))</li> <li>I.S. EN 1996-2:2006 (Eurocode 6: Design of masonry structures. Design considerations, selection of materials and execution of masonry (includes Irish National Annex - NA:2010))</li> <li>S.R. 325:2013+A2:2018 (including Clause 5.5 (Exclusion of moisture), Clause 5.6</li> </ul>

	<p>Masonry Conditions/Situations A3 (work below or near external ground level) and C1 and C2 (Unrendered external walls (other than chimney, capping, copings, parapets, sills) Classes MX3.2:</p> <p>Category 1, Group 1:</p> <ul style="list-style-type: none"> <li>• Net density <math>\geq 1500 \text{ kg/m}^3</math></li> <li>• Mean compressive strength <math>\geq 13 \text{ N/mm}^2</math></li> <li>• Aggregate in accordance with I.S. EN 12620 and S.R.16:2016</li> <li>• Mortar strength class: M12</li> </ul>	<p>(Durability) &amp; Table 14)</p> <ul style="list-style-type: none"> <li>• I.S. EN 13914 - 1 &amp; 2: 2016</li> </ul> <p><b>Table 14 of S.R. 325:2013+A2:2018:</b></p> <p>Masonry Conditions/Situations:</p> <ul style="list-style-type: none"> <li>• A1 - Low Risk of Saturation (1) Without Freezing (MX2.1, MX2.2) (2) With Freezing (MX3.1)</li> <li>• A2 - High Risk of Saturation Without Freezing (MX2.2)</li> <li>• A3 - High Risk of Saturation with Freezing (MX3.2)</li> <li>• C1 - Low Risk of Saturation (MX3.1)</li> <li>• C2 - High Risk of Saturation (MX3.2)</li> </ul> <p>See masonry mortar strength classes in Table NA.3 of National Annex in I.S. EN 1996-1-1:2005</p> <p><b>Table A.1 (Classification of micro conditions of exposure of completed masonry) of I.S. EN 1996-2:2006:</b></p> <ul style="list-style-type: none"> <li>• MX2.1 - Exposed to moisture but not exposed to freeze/thaw cycling or external sources of significant levels of sulfates or aggressive chemicals</li> <li>• MX2.2 - Exposed to severe wetting but not exposed to freeze/thaw cycling or external sources of significant levels of sulfates or aggressive chemicals</li> <li>• MX3.1 - Exposed to moisture or wetting and freeze/thaw cycling but not exposed to external sources of significant levels of sulfates or aggressive chemicals</li> <li>• MX3.2 - Exposed to severe wetting and freeze/thaw cycling but not exposed to external sources of significant levels of sulfates or aggressive chemicals</li> </ul> <p>For <b>Render</b> (including mix, thickness and number of coats), see S.R. 325:2013+A2:2018 (including Clause 5.5.3.2.1 (Applied external surface finishes), Annex E (Specification for mortar for masonry - I.S. EN 998-1 and 2) and Annex F (National guidance to I.S. EN 13914- 1:2016)) and I.S. EN 13914-1:2016 (including Clauses 5 (Materials), 6 (Design considerations) and 7 (Work on site, preparation and application of renderings)). Note: Rendering is affected by the combined action of freeze thaw cycles, wind, sun and rain, and their effects will depend upon the degree of exposure. Durability of render will depend on the correct choice of mix, thickness and number of coats and correct detailing.</p>
<b>Dangerous Substances</b>	NONE	Cement, Aggregate, Water and Admixtures comply with Relevant EN's and National SR's which prohibit the use of Dangerous Substance.

\*Reference to National Provisions / NPD = National Defined Parameter

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 by the manufacturer:

**Ballinrobe Road, Westport, Co. Mayo, 20.01.2024**

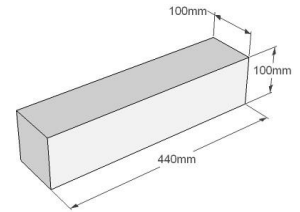
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# Declaration of Performance

DOP/SB003

## 13N 100mm Soap Bar

Dunbriar Ltd. T/A Corcoran Concrete.  
Ballinrobe Road, Westport,  
Co. Mayo



- 1. Unique Identification code of the product - type:** Code – SB003 - 13N 100mm Soap Bar
- 2. Intended use:** As a common masonry unit and internal walls in bearing or non-load bearing building & civil engineering applications.
- 3. Manufacturer:** Dunbriar Ltd. T/A Corcoran Concrete., Ballinrobe Road, Westport, Co. Mayo.
- 4. Authorised Representative:** N/A
- 5. System of AVCP:** System 2+
- 6a. Harmonised Standard:** I.S. EN 771-3:2011 **Notified body:** NSAI (0050 - CPR - 0448)
- 7. Declared Performance**

Characteristic	Declared Performance	Harmonised Technical Specification
<b>Dimensions</b>	(L x W x H) 440mm, 100mm, 100mm	I.S. EN 772-16
<b>Dimensional Tolerances</b>	Class D1 (+3mm, -5mm)	I.S. EN 772-16 *Annex C.3 of S.R. 325:2013+A2:2018
<b>Configuration</b>	Category I, Group 1 unit	I.S. EN 1996-1-1 *Annex C.5 of S.R. 325:2013+A2:2018
<b>Compressive Strength (Mean)</b>	13N/mm <sup>2</sup>	I.S. EN 772-1 *Annex C.4 and C.5 of S.R. 325:2013+A2:2018 Building Regulations – Part A (Structure) NPD
<b>Dimensional Stability</b>  Moisture Movement	<0.6mm/m	I.S. EN 772-14 Movement joints required at 7 Meter centers as per clause 5.4.3.4 of SR 325 (Or as specified by competent person) *Annex C.6 of S.R. 325:2013+A2:2018 & Table NA.6 of NA:2010+A1:2014 to I.S. EN 1996-1-1:2005+A1:2012 NPD
<b>Bond Strength</b>  Shear Bond Strength	0.15 N/mm <sup>2</sup>	I.S. EN 998-2 (Tabulated) *Table NA.5 of NA:2010+A1:2014 to I.S. EN 1996-1-1:2005+A1:2012
 Flexural Bond Strength	0.5 N/mm <sup>2</sup>	I.S. EN 998-2 *Table NA.5 of NA:2010+A1:2014 to I.S. EN 1996-1-1:2005+A1:2012
<b>Reaction to Fire</b>	Class A1	Based on Commission Decision 200/605 EC amending 96/603 EC (Refer to I.S. EN 1996-1-2 National Annex Table NA. 3.1/3.2 & 3.3 for fire rating of wall constructed with class A1 units)
<b>Water Absorption</b>	≤20 g/(m <sup>2</sup> *s) 7.5N Not to be left unrendered in Exposed conditions. Refer to the clause Above. All strengths: not to be used as a DPM.	I.S. EN 772 – 11
<b>Water Vapour Permeability</b>	5/15μ	I.S. EN 1745 Annex A (Tabulated Value)
<b>Direct airborne sound insulation:</b>  Gross Dry Density Net Dry Density	>1900kg/m <sup>3</sup> >1900kg/m <sup>3</sup>	I.S. EN 772-13 *Building Regulation – Part E (Sound) NPD
<b>Thermal Conductivity</b>	1.01 – 1.19 W/mK (λ10, dry)	I.S. EN 1745 Annex A (Tabulated) *Building Reg. – Part L (Coms. Of Fuel & Energy)
<b>Durability Against Freeze Thaw</b>	Masonry Conditions/Situations in Table 14 (Durability of masonry in finished construction) of S.R. 325:2013+A2:2018 and used in accordance with Irish Building Regulations (including Technical Guidance Documents C & D), Eurocodes, I.S. EN 13914 – 1 & 2:2016 and S.R. 325:2013+A2:2018	<ul style="list-style-type: none"> <li>Irish Building Regulations (including Technical Guidance Documents C &amp; D)</li> <li>Eurocodes</li> <li>I.S. EN 1996-1-1:2005 (Eurocode 6: Design of masonry structures. General rules for reinforced and unreinforced masonry structures (+A1:2012) (including Irish National Annex +A1:2014))</li> <li>I.S. EN 1996-2:2006 (Eurocode 6: Design of masonry structures. Design considerations, selection of materials and execution of masonry (includes Irish National Annex - NA:2010))</li> <li>S.R. 325:2013+A2:2018 (including Clause 5.5 (Exclusion of moisture), Clause 5.6 (Durability) &amp; Table 14)</li> </ul>

	<p>Masonry Conditions/Situations A3 (work below or near external ground level) and C1 and C2 (Unrendered external walls (other than chimney, capping, copings, parapets, sills) Classes MX3.2:</p> <p>Category 1, Group 1:</p> <ul style="list-style-type: none"> <li>• Net density <math>\geq 1500 \text{ kg/m}^3</math></li> <li>• Mean compressive strength <math>\geq 13 \text{ N/mm}^2</math></li> <li>• Aggregate in accordance with I.S. EN 12620 and S.R.16:2016</li> <li>• Mortar strength class: M12</li> </ul>	<ul style="list-style-type: none"> <li>• I.S. EN 13914 - 1 &amp; 2: 2016</li> </ul> <p><b>Table 14 of S.R. 325:2013+A2:2018:</b> Masonry Conditions/Situations:</p> <ul style="list-style-type: none"> <li>• A1 - Low Risk of Saturation (1) Without Freezing (MX2.1, MX2.2) (2) With Freezing (MX3.1)</li> <li>• A2 - High Risk of Saturation Without Freezing (MX2.2)</li> <li>• A3 - High Risk of Saturation with Freezing (MX3.2)</li> <li>• C1 - Low Risk of Saturation (MX3.1)</li> <li>• C2 - High Risk of Saturation (MX3.2)</li> </ul> <p>See masonry mortar strength classes in Table NA.3 of National Annex in I.S. EN 1996-1-1:2005</p> <p><b>Table A.1 (Classification of micro conditions of exposure of completed masonry) of I.S. EN 1996-2:2006:</b></p> <ul style="list-style-type: none"> <li>• MX2.1 - Exposed to moisture but not exposed to freeze/thaw cycling or external sources of significant levels of sulfates or aggressive chemicals</li> <li>• MX2.2 - Exposed to severe wetting but not exposed to freeze/thaw cycling or external sources of significant levels of sulfates or aggressive chemicals</li> <li>• MX3.1 - Exposed to moisture or wetting and freeze/thaw cycling but not exposed to external sources of significant levels of sulfates or aggressive chemicals</li> <li>• MX3.2 - Exposed to severe wetting and freeze/thaw cycling but not exposed to external sources of significant levels of sulfates or aggressive chemicals</li> </ul> <p>For <b>Render</b> (including mix, thickness and number of coats), see S.R. 325:2013+A2:2018 (including Clause 5.5.3.2.1 (Applied external surface finishes), Annex E (Specification for mortar for masonry - I.S. EN 998-1 and 2) and Annex F (National guidance to I.S. EN 13914- 1:2016)) and I.S. EN 13914-1:2016 (including Clauses 5 (Materials), 6 (Design considerations) and 7 (Work on site, preparation and application of renderings)). Note: Rendering is affected by the combined action of freeze thaw cycles, wind, sun and rain, and their effects will depend upon the degree of exposure. Durability of render will depend on the correct choice of mix, thickness and number of coats and correct detailing.</p>
<b>Dangerous Substances</b>	NONE	Cement, Aggregate, Water and Admixtures comply with Relevant EN's and National SR's which prohibit the use of Dangerous Substance.

\*Reference to National Provisions / NPĐ = National Defined Parameter

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 by the manufacturer:

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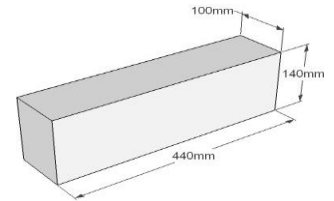
**Ballinrobe Road, Westport, Co. Mayo, 20.01.2024**

# Declaration of Performance

**DOP/SB004**

## 13N 140mm Soap Bar

Dunbriar Ltd. T/A Corcoran Concrete.  
Ballinrobe Road, Westport,  
Co. Mayo



- 1. Unique Identification code of the product - type:** Code – SB004 - 13N 140mm Soap Bar
- 2. Intended use:** As a common masonry unit and internal walls in bearing or non-load bearing building & civil engineering applications.
- 3. Manufacturer:** Dunbriar Ltd. T/A Corcoran Concrete., Ballinrobe Road, Westport, Co. Mayo
- 4. Authorised Representative:** N/A
- 5. System of AVCP:** System 2+
- 6a. Harmonised Standard:** I.S. EN 771-3:2011 **Notified body:** NSAI (0050 - CPR - 0448)
- 7. Declared Performance**

Characteristic	Declared Performance	Harmonised Technical Specification
<b>Dimensions</b>	(L x W x H) 440mm, 100mm, 140mm	I.S. EN 772-16
<b>Dimensional Tolerances</b>	Class D1 (+3mm, -5mm)	I.S. EN 772-16 *Annex C.3 of S.R. 325:2013+A2:2018
<b>Configuration</b>	Category I, Group 1 unit	I.S. EN 1996-1-1 *Annex C.5 of S.R. 325:2013+A2:2018
<b>Compressive Strength (Mean)</b>	13N/mm <sup>2</sup>	I.S. EN 772-1 *Annex C.4 and C.5 of S.R. 325:2013+A2:2018 Building Regulations – Part A (Structure) NPD
<b>Dimensional Stability</b>  Moisture Movement	<0.6mm/m	I.S. EN 772-14 Movement joints required at 7 Meter centers as per clause 5.4.3.4 of SR 325 (Or as specified by competent person) *Annex C.6 of S.R. 325:2013+A2:2018 & Table NA.6 of NA:2010+A1:2014 to I.S. EN 1996-1-1:2005+A1:2012 NPD
<b>Bond Strength</b>  Shear Bond Strength	0.15 N/mm <sup>2</sup>	I.S. EN 998-2 (Tabulated) *Table NA.5 of NA:2010+A1:2014 to I.S. EN 1996-1-1:2005+A1:2012
 Flexural Bond Strength	0.5 N/mm <sup>2</sup>	I.S. EN 998-2 *Table NA.5 of NA:2010+A1:2014 to I.S. EN 1996-1-1:2005+A1:2012
<b>Reaction to Fire</b>	Class A1	Based on Commission Decision 200/605 EC amending 96/603 EC (Refer to I.S. EN 1996-1-2 National Annex Table NA. 3.1/3.2 & 3.3 for fire rating of wall constructed with class A1 units)
<b>Water Absorption</b>	≤20 g/(m <sup>2</sup> *s) 7.5N Not to be left unrendered in Exposed conditions. Refer to the clause Above. All strengths: not to be used as a DPM.	I.S. EN 772 – 11
<b>Water Vapour Permeability</b>	5/15μ	I.S. EN 1745 Annex A (Tabulated Value)
<b>Direct airborne sound insulation:</b>  Gross Dry Density Net Dry Density	>1900kg/m <sup>3</sup> >1900kg/m <sup>3</sup>	I.S. EN 772-13 *Building Regulation – Part E (Sound) NPD
<b>Thermal Conductivity</b>	1.01 – 1.19 W/mK (λ10, dry)	I.S. EN 1745 Annex A (Tabulated) *Building Reg. – Part L (Coms. Of Fuel & Energy)
<b>Durability Against Freeze Thaw</b>	Masonry Conditions/Situations in Table 14 (Durability of masonry in finished construction) of S.R. 325:2013+A2:2018 and used in accordance with Irish Building Regulations (including Technical Guidance Documents C & D), Eurocodes, I.S. EN 13914 – 1 & 2:2016 and S.R. 325:2013+A2:2018	<ul style="list-style-type: none"> <li>• Irish Building Regulations (including Technical Guidance Documents C &amp; D)</li> <li>• Eurocodes</li> <li>• I.S. EN 1996-1-1:2005 (Eurocode 6: Design of masonry structures. General rules for reinforced and unreinforced masonry structures (+A1:2012) (including Irish National Annex +A1:2014))</li> <li>• I.S. EN 1996-2:2006 (Eurocode 6: Design of masonry structures. Design considerations, selection of materials and execution of masonry (includes Irish National Annex - NA:2010))</li> <li>• S.R. 325:2013+A2:2018 (including Clause 5.5 (Exclusion of moisture), Clause 5.6 (Durability) &amp; Table 14)</li> </ul>

	<p>Masonry Conditions/Situations A3 (work below or near external ground level) and C1 and C2 (Unrendered external walls (other than chimney, capping, copings, parapets, sills) Classes MX3.2:</p> <p>Category 1, Group 1:</p> <ul style="list-style-type: none"> <li>• Net density <math>\geq 1500 \text{ kg/m}^3</math></li> <li>• Mean compressive strength <math>\geq 13 \text{ N/mm}^2</math></li> <li>• Aggregate in accordance with I.S. EN 12620 and S.R.16:2016</li> <li>• Mortar strength class: M12</li> </ul>	<ul style="list-style-type: none"> <li>• I.S. EN 13914 - 1 &amp; 2: 2016</li> </ul> <p><b>Table 14 of S.R. 325:2013+A2:2018:</b> Masonry Conditions/Situations:</p> <ul style="list-style-type: none"> <li>• A1 - Low Risk of Saturation (1) Without Freezing (MX2.1, MX2.2) (2) With Freezing (MX3.1)</li> <li>• A2 - High Risk of Saturation Without Freezing (MX2.2)</li> <li>• A3 - High Risk of Saturation with Freezing (MX3.2)</li> <li>• C1 - Low Risk of Saturation (MX3.1)</li> <li>• C2 - High Risk of Saturation (MX3.2)</li> </ul> <p>See masonry mortar strength classes in Table NA.3 of National Annex in I.S. EN 1996-1-1:2005</p> <p><b>Table A.1 (Classification of micro conditions of exposure of completed masonry) of I.S. EN 1996-2:2006:</b></p> <ul style="list-style-type: none"> <li>• MX2.1 - Exposed to moisture but not exposed to freeze/thaw cycling or external sources of significant levels of sulfates or aggressive chemicals</li> <li>• MX2.2 - Exposed to severe wetting but not exposed to freeze/thaw cycling or external sources of significant levels of sulfates or aggressive chemicals</li> <li>• MX3.1 - Exposed to moisture or wetting and freeze/thaw cycling but not exposed to external sources of significant levels of sulfates or aggressive chemicals</li> <li>• MX3.2 - Exposed to severe wetting and freeze/thaw cycling but not exposed to external sources of significant levels of sulfates or aggressive chemicals</li> </ul> <p>For <b>Render</b> (including mix, thickness and number of coats), see S.R. 325:2013+A2:2018 (including Clause 5.5.3.2.1 (Applied external surface finishes), Annex E (Specification for mortar for masonry - I.S. EN 998-1 and 2) and Annex F (National guidance to I.S. EN 13914- 1:2016)) and I.S. EN 13914-1:2016 (including Clauses 5 (Materials), 6 (Design considerations) and 7 (Work on site, preparation and application of renderings)). Note: Rendering is affected by the combined action of freeze thaw cycles, wind, sun and rain, and their effects will depend upon the degree of exposure. Durability of render will depend on the correct choice of mix, thickness and number of coats and correct detailing.</p>
<b>Dangerous Substances</b>	NONE	Cement, Aggregate, Water and Admixtures comply with Relevant EN's and National SR's which prohibit the use of Dangerous Substance.

\*Reference to National Provisions / NPD = National Defined Parameter

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 by the manufacturer:

**Ballinrobe Road, Westport, Co. Mayo, 20.01.2024**

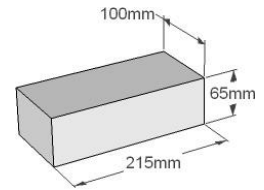
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# Declaration of Performance

**DOP/SB005**

**13N 65mm Stock Brick**

Dunbriar Ltd. T/A Corcoran Concrete.  
Ballinrobe Road, Westport,  
Co. Mayo



- 1. Unique Identification code of the product - type:** Code – SB005 - 7.5N 65mm Stock Brick
- 2. Intended use:** As a common masonry unit and internal walls in bearing or non-load bearing building & civil engineering applications.
- 3. Manufacturer:** Dunbriar Ltd. T/A Corcoran Concrete., Ballinrobe Road, Westport, Co. Mayo
- 4. Authorised Representative:** N/A
- 5. System of AVCP:** System 2+
- 6a. Harmonised Standard:** I.S. EN 771-3:2011 **Notified body:** NSAI (0050 - CPR - 0448)

**7. Declared Performance**

Characteristic	Declared Performance	Harmonised Technical Specification
<b>Dimensions</b>	(L x W x H) 215mm, 100mm, 65mm	I.S. EN 772-16
<b>Dimensional Tolerances</b>	Class D1 (+3mm, -5mm)	I.S. EN 772-16 *Annex C.3 of S.R. 325:2013+A2:2018
<b>Configuration</b>	Category I, Group 1 unit	I.S. EN 1996-1-1 *Annex C.5 of S.R. 325:2013+A2:2018
<b>Compressive Strength (Mean)</b>	13N/mm <sup>2</sup>	I.S. EN 772-1 *Annex C.4 and C.5 of S.R. 325:2013+A2:2018 Building Regulations – Part A (Structure) NPD
<b>Dimensional Stability</b>  Moisture Movement	<0.6mm/m	I.S. EN 772-14 Movement joints required at 7 Meter centers as per clause 5.4.3.4 of SR 325 (Or as specified by competent person) *Annex C.6 of S.R. 325:2013+A2:2018 & Table NA.6 of NA:2010+A1:2014 to I.S. EN 1996-1-1:2005+A1:2012 NPD
<b>Bond Strength</b>  Shear Bond Strength	0.15 N/mm <sup>2</sup>	I.S. EN 998-2 (Tabulated) *Table NA.5 of NA:2010+A1:2014 to I.S. EN 1996-1-1:2005+A1:2012
 Flexural Bond Strength	0.5 N/mm <sup>2</sup>	I.S. EN 998-2 *Table NA.5 of NA:2010+A1:2014 to I.S. EN 1996-1-1:2005+A1:2012
<b>Reaction to Fire</b>	Class A1	Based on Commission Decision 200/605 EC amending 96/603 EC (Refer to I.S. EN 1996-1-2 National Annex Table NA. 3.1/3.2 & 3.3 for fire rating of wall constructed with class A1 units)
<b>Water Absorption</b>	≤20 g/(m <sup>2</sup> *s) 7.5N Not to be left unrendered in Exposed conditions. Refer to the clause Above. All strengths: not to be used as a DPM.	I.S. EN 772 – 11
<b>Water Vapour Permeability</b>	5/15μ	I.S. EN 1745 Annex A (Tabulated Value)
<b>Direct airborne sound insulation:</b>  Gross Dry Density Net Dry Density	>1900kg/m <sup>3</sup> >1900kg/m <sup>3</sup>	I.S. EN 772-13 *Building Regulation – Part E (Sound) NPD
<b>Thermal Conductivity</b>	1.01 – 1.19 W/mK (λ10, dry)	I.S. EN 1745 Annex A (Tabulated) *Building Reg. – Part L (Coms. Of Fuel & Energy)
<b>Durability Against Freeze Thaw</b>	Masonry Conditions/Situations in Table 14 (Durability of masonry in finished construction) of S.R. 325:2013+A2:2018 and used in accordance with Irish Building Regulations (including Technical Guidance Documents C & D), Eurocodes, I.S. EN 13914 – 1 & 2:2016 and S.R. 325:2013+A2:2018	<ul style="list-style-type: none"> <li>• Irish Building Regulations (including Technical Guidance Documents C &amp; D)</li> <li>• Eurocodes</li> <li>• I.S. EN 1996-1-1:2005 (Eurocode 6: Design of masonry structures. General rules for reinforced and unreinforced masonry structures (+A1:2012) (including Irish National Annex +A1:2014))</li> <li>• I.S. EN 1996-2:2006 (Eurocode 6: Design of masonry structures. Design considerations, selection of materials and execution of masonry (includes Irish National Annex - NA:2010))</li> <li>• S.R. 325:2013+A2:2018 (including Clause 5.5 (Exclusion of moisture), Clause 5.6</li> </ul>

	<p>Masonry Conditions/Situations A3 (work below or near external ground level) and C1 and C2 (Unrendered external walls (other than chimney, capping, copings, parapets, sills) Classes MX3.2:</p> <p>Category 1, Group 1:</p> <ul style="list-style-type: none"> <li>• Net density <math>\geq 1500 \text{ kg/m}^3</math></li> <li>• Mean compressive strength <math>\geq 13 \text{ N/mm}^2</math></li> <li>• Aggregate in accordance with I.S. EN 12620 and S.R.16:2016</li> <li>• Mortar strength class: M12</li> </ul>	<p>(Durability) &amp; Table 14)</p> <ul style="list-style-type: none"> <li>• I.S. EN 13914 - 1 &amp; 2: 2016</li> </ul> <p><b>Table 14 of S.R. 325:2013+A2:2018:</b></p> <p>Masonry Conditions/Situations:</p> <ul style="list-style-type: none"> <li>• A1 - Low Risk of Saturation (1) Without Freezing (MX2.1, MX2.2) (2) With Freezing (MX3.1)</li> <li>• A2 - High Risk of Saturation Without Freezing (MX2.2)</li> <li>• A3 - High Risk of Saturation with Freezing (MX3.2)</li> <li>• C1 - Low Risk of Saturation (MX3.1)</li> <li>• C2 - High Risk of Saturation (MX3.2)</li> </ul> <p>See masonry mortar strength classes in Table NA.3 of National Annex in I.S. EN 1996-1-1:2005</p> <p><b>Table A.1 (Classification of micro conditions of exposure of completed masonry) of I.S. EN 1996-2:2006:</b></p> <ul style="list-style-type: none"> <li>• MX2.1 - Exposed to moisture but not exposed to freeze/thaw cycling or external sources of significant levels of sulfates or aggressive chemicals</li> <li>• MX2.2 - Exposed to severe wetting but not exposed to freeze/thaw cycling or external sources of significant levels of sulfates or aggressive chemicals</li> <li>• MX3.1 - Exposed to moisture or wetting and freeze/thaw cycling but not exposed to external sources of significant levels of sulfates or aggressive chemicals</li> <li>• MX3.2 - Exposed to severe wetting and freeze/thaw cycling but not exposed to external sources of significant levels of sulfates or aggressive chemicals</li> </ul> <p>For <b>Render</b> (including mix, thickness and number of coats), see S.R. 325:2013+A2:2018 (including Clause 5.5.3.2.1 (Applied external surface finishes), Annex E (Specification for mortar for masonry - I.S. EN 998-1 and 2) and Annex F (National guidance to I.S. EN 13914- 1:2016)) and I.S. EN 13914-1:2016 (including Clauses 5 (Materials), 6 (Design considerations) and 7 (Work on site, preparation and application of renderings)). Note: Rendering is affected by the combined action of freeze thaw cycles, wind, sun and rain, and their effects will depend upon the degree of exposure. Durability of render will depend on the correct choice of mix, thickness and number of coats and correct detailing.</p>
<b>Dangerous Substances</b>	NONE	Cement, Aggregate, Water and Admixtures comply with Relevant EN's and National SR's which prohibit the use of Dangerous Substance.

\*Reference to National Provisions / NPD = National Defined Parameter

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 by the manufacturer:

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**Ballinrobe Road, Westport, Co. Mayo, 20.01.2024**