

DECLARATION OF PERFORMANCE



Number SB1 Group 1 aggregate concrete masonry units

Unique identification code of the product type

Product code	Product Description	Mean compressive strength (N/mm ²)	Length (mm)	Width (mm)	Height (mm)
9101	7.5N 100MM SOLID BLOCK	7.5	440	100	215
9102	7.5N 140MM SOLID BLOCK	7.5	440	140	215
9112N	13N 100MM SOLID BLOCK	13	440	100	215
9107N	13N 100MM SOAPBAR	13	440	100	100
9108N	13N 140MM SOAPBAR	13	440	140	100
9110N	13N 65MM SOLID BLOCK	13	440	65	215
9106N	13N 65MM STOCKBRICK	13	215	100	65
9123	24N 100MM SOLID BLOCK	24	440	100	215
9113	30 N 100MM SOLID BLOCK	30	440	100	215
9127	7.5N 100MM SOLID F/Q BLOCK	7.5	440	100	215
9088N	13N 100MM SOLID F/Q BLOCK	13	440	100	215
9176	13N 250MM SOLID BLOCK	13	440	100	250

Intended use/es aggregate concrete masonry unit for use as external walls, or as internal walls, in load bearing or non-load bearing building and civil engineering applications. Product selection, masonry design and execution should be fully in accordance with all parts of I.S. EN 1996 and its associated Irish National Annex, S.R. 325:2013+A2:2018 recommendations, EN 13914:2016 parts 1 and 2 and Irish Building Regulations and associated Technical Guidance Documents

Manufacturer Kilsaran Concrete

System/s of AVCP System 2+

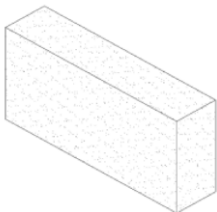
Harmonised standard I.S EN 771-3:2011+A1:2015 Aggregate Concrete Masonry Units (Dense and Lightweight Aggregates)

Notified body/ies: National Standards Authority of Ireland (NANDO notified body number NB 0050)



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Declared performance/s

Essential characteristics	Performance	Reference method and national provisions
Dimensions	Length width and height given in table above	I.S. EN 772-16 <i>Annex C.2 of S.R. 325:2013+A2:2018</i>
	Dimensional category tolerance D1 (+3,-5mm)	<i>Annex C.3 of S.R. 325:2013+A2:2018</i>
Configuration	Vertical configuration 	
	Group 1	<i>Annex C5 of S.R. 325:2013+A2:2018</i>
Mean compressive strength	As given in the table above for each unit type	I.S. EN 772-1 <i>Annex C.4 and C.5 of S.R. 325:2013+A2:2018</i> <i>Building regulations Part A (Structure)</i>
	Direction of load perpendicular to bed faces, units in vertical orientation Category I	<i>Annex C.4 of S.R. 325:2013+A2:2018</i> <i>Table 14 of S.R. 325:2013+A2:2018</i>
Dimensional stability moisture movement	< 0.6 mm/m	I.S. EN 772-14 <i>Annex C.6 of S.R. 325:2013+A2:2018</i> <i>Table NA.7 of NA:2010+A1:2014 to I.S. EN 1996-1-1:2005+A1:2012</i>
Bond strength	Shear bond strength 0,15 N/mm ²	Tabulated values from EN 1996 <i>Table NA.5 of NA:2010+A1:2014 to I.S. EN 1996-1-1:2005+A1:2012</i>
	Flexural bond strength 0.5 N/mm ²	<i>Table NA.6 of NA:2010+A1:2014 to I.S. EN 1996-1-1:2005+A1:2012</i>



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Essential characteristics	Performance	Reference method and national provisions
Reaction to fire	Class A1	Based on Commission Decision 200/605 EC amending 96/603 EC (Refer to I.S. EN 1996-1-2 NA Table NA. 3.1/3.2 & 3.3 for fire ratings of walls constructed with Class A1 Units) Building Regulations Part B – Fire Safety
Water absorption	$\leq 20 \text{ g/m}^2\text{S}$	I.S. EN 772-11 Section 5.5 of S.R 325:2013+A2:2018
Water vapour permeability	5/15 μ	I.S. EN 1745 Annex A (tabulated value) Section 5.5 of S.R 325:2013+A2:2018
Direct airborne sound insulation	Gross density $>1900 \text{ kg/m}^3$	I.S. EN 772-13 Building Regulations Part E - Sound
Thermal conductivity	1,00 W/Mk (λ_{10} , dry)	I.S. EN 1745 Annex A (tabulated value) Building Regulations Part L – Conservation of fuel and energy
Durability against freeze / thaw	Suitable for use in the following masonry condition or situations: Masonry condition A1 (work below or near external ground level with low risk of saturation): Group 1 units with: - A net density of $\geq 1500 \text{ kg/m}^3$ and - Made with sense aggregate conforming to I.S. EN 12620 and S.R. 16, and - Having a declared mean compressive strength $\geq 7,5 \text{ N/mm}^2$; or a declared normalised compressive strength of $\geq 10,5 \text{ N/mm}^2$, and - Laid in M4 mortar	Further guidance on other masonry conditions or situations are given in table 14 of S.R 325:2013+A2:2018 The classification of micro conditions of exposure for completed masonry are given in I.S. EN 1996-2:2006 and Annex A and NA to I.S. EN 1996-2:2006. The appropriate masonry unit should be selected along with the design of render where required in accordance with I.S. EN 13914 parts 1 and 2:2016



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	Masonry condition A2 (work below or near external ground level with high risk of saturation without freezing): - As above laid in M6 mortar Masonry condition A3 (work below or near external ground level with high risk of saturation with freezing): - A net density of $\geq 1500 \text{ kg/m}^3$ and - Made with dense aggregate conforming to I.S. EN 12620 and S.R. 16, and - Having a declared mean compressive strength $\geq 15 \text{ N/mm}^2$; or a declared normalised compressive strength of $\geq 20 \text{ N/mm}^2$, and - Laid in M12 mortar	
Dangerous substances	NPD	
The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above		

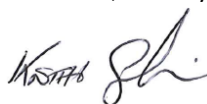
Signed for and on behalf of the manufacturer by:

Keith Goodwin

At: Piercetown, Dunboyne, Co. Meath

on 19 January 2026

Signature:





0050

Kilsaran Concrete
Piercetown
Dunboyne
Co Meath
A86 W820
Ireland

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Production Location

Dunboyne
Gallstown
Ballinakill
Castletown
Kilcullen
Kilfeacle
Rossmore
Tullamore

FPC certificate No.

0050-CPR-0493
0050-CPR-0488
0050-CPR-04610
0050-CPR-0184
0050-CPR-0492
0050-CPR-0583
0050-CPR-0166
0050-CPR-0494

EN 771-3:2011+A1:2015

Category I aggregate concrete masonry unit

Dimensions:

Product Description	Length (mm)	Width (mm)	Height (mm)
7.5N 100MM SOLID BLOCK	440	100	215
7.5N 140MM SOLID BLOCK	440	140	215
13N 100MM SOLID BLOCK	440	100	215
13N 100MM SOAPBAR	440	100	100
13N 140MM SOAPBAR	440	140	100
13N 65MM SOLID BLOCK	440	65	215
13N 65MM STOCKBRICK	215	100	65
24N 100MM SOLID BLOCK	440	100	215
7.5N 100MM SOLID F/Q BLOCK	440	100	215
13N 100MM SOLID F/Q BLOCK	440	100	215
13N 250MM SOLID BLOCK	440	100	250

Dimensional tolerances:

Configuration:

Compressive strength:

Dimensional stability:

Shear bond strength:

Flexural bond strength:

Reaction to fire:

Water absorption:

Category: D1

Group 1 unit to EN 1996-1-1

Mean compressive strength as per tabulated values above and delivery ticket

Moisture movement 0.6 mm/m

Fixed value 0.15 (N/mm²)

0.5 (N/mm²)

Euroclass A1

≤20 g/m²S



Water vapour diffusion coefficient: Direct airborne sound insulation: Thermal conductivity: Durability against freeze thaw:	5/15μ Gross dry density 1900 kg/m³ Configuration as above 1,00 W/Mk ($\lambda_{10, \text{dry, unit, S1}}$) Masonry condition A1 (work below or near external ground level with low risk of saturation): Group 1 units with: - A net density of $\geq 1500 \text{ kg/m}^3$ and - Made with sense aggregate conforming to I.S. EN 12620 and S.R. 16, and - Having a declared mean compressive strength $\geq 7,5 \text{ N/mm}^2$; or a declared normalised compressive strength of $\geq 10,5 \text{ N/mm}^2$, and - Laid in M4 mortar Masonry condition A2 (work below or near external ground level with high risk of saturation without freezing): - As above laid in M6 mortar Masonry condition A3 (work below or near external ground level with high risk of saturation with freezing): - A net density of $\geq 1500 \text{ kg/m}^3$ and - Made with sense aggregate conforming to I.S. EN 12620 and S.R. 16, and - Having a declared mean compressive strength $\geq 15 \text{ N/mm}^2$; or a declared normalised compressive strength of $\geq 20 \text{ N/mm}^2$, and Laid in M12 mortar
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