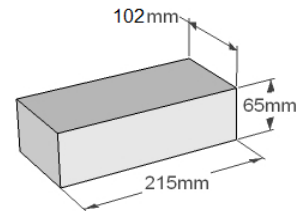


## Declaration of Performance

DOP/CL/60935

**50.0N Class B Engineering Quality Brick**  
Piercetown, Dunboyne, Co.Meath



**1. Unique Identification code of the product - type:** Code - 60935 - 50.0N Class B Engineering Quality Brick

**2. Intended use:** In Masonry walls, columns and partitions

**3. Manufacturer:** Kilsaran Concrete, Piercetown, Dunboyne Co. Meath

**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 - 0493)

**7. Declared Performance**

Characteristic	Declared Performance	Harmonised Technical Specification
<b>Dimensions</b>	(L x W x H) 215mm, 102mm, 65mm	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>	50.0N/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	NPD	N/A
<b>Reaction to Fire</b>	Class A1	I.S. EN 1996-1-2 Annex A (Tabulated Value)
<b>Water Absorption</b>	NPD	N/A
<b>Water Vapour Permeability</b>	5/15 $\mu$	I.S. EN 1745 Annex A (Tabulated Value)
<b>Direct airborne sound insulation:</b> Gross Dry Density	>2000kg/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 ( $\lambda_{10}$ ,dry Mat)	I.S. EN 1745 Annex A (Tabulated Value)
<b>Durability Against Freeze Thaw</b>	NPD (Not to be left exposed)	I.S. EN 771-3
<b>Dangerous Substances</b>	NPD	See Note Below

**8.** N/A

<http://www.kilsaran.ie/build/technical-downloads/>

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:

**Chris O'Reilly at Piercetown, Dunboyne, Co.Meath on 26 April 2016**





**0050**

Kilsaran Concrete  
Piercetown, Dunboyne Co. Meath  
13  
0050 - CPR - 0493

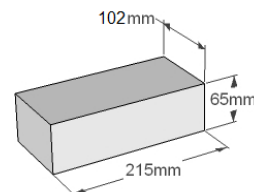
**EN 771-3**

**50.0N Class B Engineering Quality Brick**

**Category I - 215mm, 102mm, 65mm aggregate concrete masonry unit**

*Piercetown, Dunboyne, Co.Meath*

<b>Dimensions</b>	Declared value	(L x W x H) 215mm, 102mm, 65mm
<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	50.0N/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	NPD
<b>Reaction to Fire</b>	Declared Class	A1 (I.S. EN 1996-1-2 Annex A)(Tabulated Value)
<b>Water Absorption</b>	Declared Value	NPD
<b>Water Vapour Permeability</b>	Declared Value	5/15 $\mu$ (I.S. EN 1745 Annex A)(Tabulated Value)
<b>Direct airborne sound insulation:</b>		
Gross Dry Density	Declared	>2000 kg/m <sup>3</sup>
Configuration	Declared	



Dimensions and tolerances      Declared      As above

<b>Thermal Conductivity</b>	Declared Value	1.00 - 1.11 W/mK ( $\lambda_{10}$ ,dry Mat)(I.S. EN 1745 Annex A)(Tabulated Value)
<b>Durability Against Freeze Thaw</b>	Declared	NPD (Not to be left exposed)
<b>Dangerous Substances</b>	Declared	NPD