



Kildea Concrete Ltd

DECLARATION OF PERFORMANCE

5N, 7.5N & 13N Concrete block produced by S. Kildea & Sons Ltd block plant conforms to Harmonized European Standard IS EN 771-1:2011.

Category 1 Aggregate Masonry Unit 440 x 100 x 215

Provision to which the product conforms: Standard Annex ZA of IS EN771-3:2011

Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer in walls, columns and partitions.

Declared Performance

Essential Characteristics	Performance	Clause	Test Method
Flatness	NPD	5.2.2.2	N/A
Dimension Tolerances	D1 (+3mm,-5mm)	5.2.2.1	I.S. EN 772-16
Category	1	5.2.2.1	I.S. EN 772-16
Plane Parallelism	NPD	5.2.2.3	N/A
Gross Density	>2000kg/m ³	5.4.1	EN771-3:2011
Net Density	>2000kg/m ³	5.4.2	
Configuration	Solid		
Compressive Strength	>7.5N/mm ² in vertical orientation	5.5.1	I.S. EN 772-1
Moisture Movement	<0.59mm/m	5.9	I.S. EN772-14
Reaction to Fire	Class A1	5.11	N/A
Water Absorption	<19[g/(m ² *s)]	5.8	I.S. EN 772-11
Freeze - thaw	NPD		N/A

The performance of the product identified above is in conformity with the declared performance.

The declaration of performance is issued under the sole responsibility of the manufacturer.

Signed for and on behalf of the manufacturer by:

Name and Function:

Low Jahn Sales & Technical

Place & Date if Issue: 7.6.18

Signature:

Low Jahn



Kildea Concrete Ltd

Certificate of Properties for Masonry Units
Certificate Reference: Cavity Block 5N/mm ²
I.S. EN 771-3 2011 Aggregates Concrete Masonry Units (Dense & Lightweight)

Category 1: 440mm x 215mm x 215mm (Length x Width x Height)

Shell Thickness 45mm

Aggregate Concrete Masonry Unit

Characteristics	Clause	Value	Test Method
Dimensional Tolerance	5.2.2.1	D1 (+3mm,-5mm)	I.S. EN 772-16
Flatness	5.2.2.2	No performance Determined	N/A
Plane Parallelism	5.2.2.3	No Performance Determined	N/A
Direct Airborne Sound Insulation	5.3	On Request	I.S. EN 1744-1
Gross Density	5.4.1	>1200kg/m ³	
Net Density	5.4.2	>1850kg/m ³	
Compressive Strength (Characteristic)	5.5.1	5N/mm ² in vertical orientation	I.S. EN 772-1
Thermal Conductivity	5.6	1.01 W/mk to 1.33 W/Mk	I.S. EN1745 Annex A (building Regs Part L 2007)
Durability against freeze/thaw	5.7	No performance determined	N/A
Water Absorption	5.8	<13[g/(m ² *s)]	I.S. EN 772-11
Moisture Movement	5.9	<0.69mm/m	I.S. EN 772-14
Water Vapour Permeability	5.10	5/15u	I.S. EN 1745 Annex A
Reaction to Fire	5.11	Class A1	N/A
Shear Bond Strength	5.12.2	0,15N/mm ²	I.S. EN 998-2



Kildea Concrete Ltd

Certificate of Properties for Masonry Units
Certificate Reference: 7.5N/mm ² Concrete Fair Faced Block
I.S. EN 771-3 2011 Aggregates Concrete Masonry Units (Dense & Lightweight)

Category 1: 440mm x 100mm x 215mm (Length x Width x Height)
Aggregate Concrete Masonry Unit

Characteristics	Clause	Value	Test Method
Dimensional Tolerance	5.2.2.1	D1 (+3mm,-5mm)	I.S. EN 772-16
Flatness	5.2.2.2	No performance determined	N/A
Plane Parallelism	5.2.2.3	No performance determined	N/A
Direct Airborne Sound Insulation (Configuration)	5.3	On request	I.S. EN 1744-1
Gross Density	5.4.1	>2000kg/m ³	
Net Density	5.4.2	>2000kg/m ³	
Compressive Strength (Characteristic)	5.5.1	7.5N/mm ² in vertical orientation	I.S. EN 772-1
Thermal Conductivity	5.6	1,19W/mk to 1.33 W/Mk	I.S. EN 1745 Annex A (Building Regs Part L 2007)
Durability against freeze /thaw	5.7	No performance determined	N/A
Water Absorption	5.8	<19 [g/(m ² *s)]	I.S. EN 772-11
Moisture Movement	5.9	<0.59mm/m	I.S. EN 772-14
Water Vapour Permeability	5.10	5/15u	I.S. EN 1745 Annex A
Reaction to Fire	5.11	Class A1	N/A
Shear Bond Strength	5.12.2	0,15N/mm ²	I.S. EN 998-2



Kildea Concrete Ltd

Certificate of Properties for Masonry Units
Certificate Reference: Standard Bloc 7.5N/mm ²
I.S. EN 771-3 2011 Aggregates Concrete Masonry Units (Dense & Lightweight)

Category 1: 440mm x 100mm x 215mm (Length x Width x Height)

Aggregate Concrete Masonry Unit

Characteristics	Clause	Value	Test Method
Dimensional Tolerance	5.2.2.1	D1 (+3mm,-5mm)	I.S. EN 772-16
Flatness	5.2.2.2	No performance determined	N/A
Plane Parallelism	5.2.2.3	No performance determined	N/A
Direct Airborne Sound Insulation (Configuration)	5.3	On request	I.S EN 1744-1
Gross Density	5.4.1	>2000kg/m ³	
Net Density	5.4.2	>2000kg/m ³	
Compressive Strength (Characteristic)	5.5.1	7.5N/mm ² in vertical orientation	I.S. EN 772-1
Thermal Conductivity	5.6	1.19W/mk to 1.33 W/Mk	I.S. EN 1745 Annex A (building Regs Part L 2007)
Durability against freeze/thaw	5.7	No performance determined	N/A
Water Absorption	5.8	<24 [g/(m ² *s)]	I.S. EN 772-11
Moisture Movement	5.9	< 0.52mm/m	I.S. EN 772-14
Water Vapour Permeability	5.10	5/15u	I.S. EN 1745 Annex A
Reaction To Fire	5.11	Class A1	N/A
Shear Bond Strength	5.12.2	0.15N/mm ²	I.S. EN 998-2



Kildea Concrete Ltd

Certificate of Properties for Masonry Units

Certificate Reference: Standard Block 13.0N/mm²

I.S. EN 771-3 2011 Aggregates Concrete Masonry Units (Dense & Lightweight)

Category 1: 440mm x 100mm x 215mm (Length x Width x Height)

Aggregate Concrete Masonry Unit

Characteristics	Clause	Value	Test Method
Dimensional Tolerance	5.2.2.1	D1 (+3mm,-5mm)	I.S. EN 772-16
Flatness	5.2.2.2	No performance determined	N/A
Plane Parallelism	5.2.2.3	No performance determined	N/A
Direct Airborne Sound Insulation (Configuration)	5.3	On request	I.S EN 1744-1
Gross Density	5.4.1	>2000kg/m ³	
Net Density	5.4.2	>2000kg/m ³	
Compressive Strength (Characteristic)	5.5.1	13.0N/mm ² in vertical orientation	I.S. EN 772-1
Thermal Conductivity	5.6	1.19W/mk to 1.33 W/Mk	I.S. EN 1745 Annex A (building Regs Part L 2007)
Durability against freeze/thaw	5.7	No performance determined	N/A
Water Absorption	5.8	<24 [g/(m ² *s)]	I.S. EN 772-11
Moisture Movement	5.9	< 0.52mm/m	I.S. EN 772-14
Water Vapour Permeability	5.10	5/15u	I.S. EN 1745 Annex A
Reaction To Fire	5.11	Class A1	N/A
Shear Bond Strength	5.12.2	0.15N/mm ²	I.S. EN 998-2

