ABOUT KILSARAN

FACILITY

Our modern, world class range of high output automated masonry production facilities, ensure we are always using the latest technologies. Built to the highest standards our production facilities combine intelligent electronics with the latest know-how in mechanical engineering. This together with a dynamic distribution network make Kilsaran one of the most desirable and versatile masonry product manufacturers in the market. Our combined production capacity from all our locations is in the region of 50 million blocks per annum.

OUR TEAM

Kilsaran’s research and development department continuously look for new innovations, contributing to a more sustainable manufacturing process whilst maintaining quality and increasing the product choice available to our customers. We pride ourselves on employing some of the best technical personnel in the industry who strive to provide solutions for our stakeholders including architects, specifiers and engineers. All of Kilsaran’s masonry product production facilities are third party accredited.

Our extensive range of quality solid, hollow, lightweight, thermal and high strength masonry products are backed with unrivalled technical support along with competitive pricing, guaranteeing our customers a professional service and speedy delivery every time.

“With over 50 years’ experience in construction product manufacture, Kilsaran has emerged as an industry leader in the adoption and implementation of verified management systems and product innovation. This supports Kilsaran’s continual commitment to product quality and sustainability.”

Fergal O’Byrne
NSAI
QUALITY CONTROL

All of Kilsaran’s blocks are independently audited by the NSAI and manufactured to level 2+ Factory Production Control to I.S. EN 771-3. All block products produced by Kilsaran are Category 1 block.

Each constituent material that is used in the manufacture of the blocks is continually tested and monitored in accordance with the applicable standard. This includes the aggregates used in the manufacture of Kilsaran’s masonry products, which comply with I.S. EN12620 – Aggregates for Concrete and S.R.16 – National Standard Recommendation for I.S. EN12620.

Each of the constituent products is CE marked in accordance with the relevant standard and the EU directive.

<table>
<thead>
<tr>
<th>Constituent Material</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cement</td>
<td>I.S. EN 197-1</td>
</tr>
<tr>
<td>GGBS</td>
<td>I.S. EN 15167-1</td>
</tr>
<tr>
<td>Admixtures</td>
<td>I.S. EN 934</td>
</tr>
<tr>
<td>Aggregates</td>
<td>I.S. EN 12620</td>
</tr>
<tr>
<td>Water</td>
<td>I.S. EN 1008</td>
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</tbody>
</table>

RESEARCH & DEVELOPMENT

Kilsaran have dedicated laboratories for testing masonry products exclusively. These laboratories facilitate ongoing research and development work to bring new and innovative products to the marketplace. Drawn from civil engineering, concrete technology, and chemistry backgrounds our laboratory team has a wide ranging skill set and is highly experienced in the area of materials technology.


This covers the defined range of testing at the group's laboratories located at various operations sites in Ireland which gives us the largest multi-site accreditation in Ireland.
1. STANDARD BLOCK

FEATURES & BENEFITS

- Quality assured manufacture
- Produced nationwide
- Long term durability
- Sustainable production process
- Available in solid and hollow format for ultimate versatility
- Provides an excellent key for plastering and rendering
- Full range of accessories
- Cost effective
- Designed to meet the current building regulations and relevant national standards
- Product technical advice available

<table>
<thead>
<tr>
<th>Size (mm)</th>
<th>440x215 (Solid)</th>
<th>440x100 (Solid / Soap Bar)</th>
<th>440x140 (Solid / Soap Bar)</th>
<th>440x215 (Hollow &amp; U Block)</th>
<th>215x215 (Hollow &amp; U Block)</th>
<th>440x215 L Block</th>
<th>215x100 Stock Brick</th>
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<td>Density</td>
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<td>Thermal</td>
<td>0.90 - 1.00W/mK (λ10, Dry Mat)</td>
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<td>0.90 - 1.00W/mK (λ10, Dry Mat)</td>
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</tbody>
</table>
2. HIGH STRENGTH BLOCK

FEATURES & BENEFITS

- Quality assured manufacture
- Produced nationwide
- Long term durability
- Demonstrate a high level of performance in loadbearing and other structural applications
- Sustainable production process
- Available in solid and hollow format for ultimate versatility
- Provides an excellent key for plastering and rendering
- Full range of accessories
- Cost effective
- Colour coded for easy identification
- Designed to meet the current building regulations and relevant national standards
- Product technical advice available

<table>
<thead>
<tr>
<th>Size (mm)</th>
<th>440x215 (Solid)</th>
<th>440x100 (Solid / Soap Bar)</th>
<th>440x140 (Solid / Soap Bar)</th>
<th>440x215 (Hollow &amp; U Block)</th>
<th>215x215 (Hollow &amp; U Block)</th>
<th>440x215 L Block</th>
<th>215x100 Stock Brick</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thickness (mm)</td>
<td>65 100 140 300 100 100 215 215 100 (175) 65</td>
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<td>Density</td>
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<td>Strength (N/mm²)</td>
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<td>Thermal</td>
<td>0.90 - 1.00W/mK (x10, Dry Mat)</td>
<td>0.90 - 1.00W/mK (x10, Dry Mat)</td>
<td>0.90 - 1.00W/mK (x10, Dry Mat)</td>
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<td>0.90 - 1.00W/mK (x10, Dry Mat)</td>
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</table>

($\lambda_{10, \text{Dry Mat}}$)
3. FACING QUALITY BLOCK

FEATURES & BENEFITS

- Quality assured manufacture
- Produced nationwide
- Long term durability
- Sustainable production process
- Available in solid and hollow format for ultimate versatility
- Ideally suited for use in commercial and leisure developments
- Provides an even surface for paint or other finishes
- Full range of accessories
- Cost effective
- Designed to meet the current building regulations and relevant national standards
- Product technical advice available

<table>
<thead>
<tr>
<th>Size (mm)</th>
<th>440x215 (Solid)</th>
<th>440x100 (Solid / Soap Bar)</th>
<th>440x140 (Solid / Soap Bar)</th>
<th>440x215 (Hollow &amp; U Block)</th>
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<th>440x215 L Block</th>
<th>215x100 Stock Brick</th>
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<tr>
<td>Density</td>
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<tr>
<td>Thermal</td>
<td>0.90 - 1.00W/mK (Ω10, Dry Mat)</td>
<td>0.90 - 1.00W/mK (Ω10, Dry Mat)</td>
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<td>0.90 - 1.00W/mK (Ω10, Dry Mat)</td>
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## 4. E-BLOCK

### Air Tight Block

#### FEATURES & BENEFITS
- Engineered for Superior Sound Insulation
- Quality assured manufacture
- High thermal mass
- Produced nationwide
- Long term durability
- Sustainable production process
- Available in solid and hollow format for ultimate versatility
- Ideally suited for use in commercial and leisure developments
- Provides an even surface for paint or other finishes
- Full range of accessories
- Cost effective
- Designed to meet the current building regulations and relevant national standards
- Product technical advice available

#### Size (mm)

<table>
<thead>
<tr>
<th>Size (mm)</th>
<th>440x215 (Solid)</th>
<th>440x100 (Solid / Soap Bar)</th>
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</thead>
<tbody>
<tr>
<td>Thickness (mm)</td>
<td>65</td>
<td>100</td>
<td>100</td>
<td>215</td>
<td>215</td>
<td>100 (175)</td>
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<tr>
<td>Density</td>
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<tr>
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<td>1.00 - 1.11 W/mK (x10, Dry Mat)</td>
<td>1.00 - 1.11 W/mK (x10, Dry Mat)</td>
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<td>1.00 - 1.11 W/mK (x10, Dry Mat)</td>
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</tbody>
</table>
5. K-BLOCK

Thermal Lightweight Block

FEATURES & BENEFITS

- Quality assured manufacture
- High thermal mass
- Reduced Thermal Bridging resulting in reduced heat loss, and lower heating bills when used in accordance with the Acceptable Construction Details
- Compliant U values are achieved without having to provide a cavity in excess of 150mm
- Excellent thermal conductivity (Lambda λ) value of 0.34 W/mK a significant improvement when compared to standard blocks
- Available nationwide
- Long term durability
- Sustainable production process
- Ideally suited for both domestic and commercial use
- Provides an excellent key for plastering and rendering
- Cost effective
- Designed to meet the current building regulations and relevant national standards
- Product technical advice available

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<tr>
<th>Size (mm)</th>
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<td>Thickness (mm)</td>
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<td>100</td>
<td>100 (175)</td>
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<tr>
<td>Density</td>
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<td>Standard</td>
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<td>0.34W/mK (A10, Dry Mat)</td>
<td>0.34W/mK (A10, Dry Mat)</td>
</tr>
</tbody>
</table>
**BLOCK DIMENSIONS**

**KILSARAN MASONRY PRODUCT GUIDE**

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**100mm Solid Block**
- 100mm
- 440mm
- 215mm

**140mm Solid Block**
- 140mm
- 440mm
- 215mm

**65mm Solid Block**
- 65mm
- 440mm
- 215mm

**100mm Soapbar Block**
- 100mm
- 440mm
- 215mm

**140mm Soapbar Block**
- 140mm
- 440mm
- 215mm

**Stock Brick**
- 100mm
- 440mm
- 215mm

**L Block**
- 175mm
- 440mm
- 215mm

**215mm Hollow Block**
- 215mm
- 440mm
- 215mm

**215mm Half Hollow Block**
- 215mm
- 215mm
- 215mm

**440mm U Block**
- 215mm
- 440mm
- 215mm

**215mm Half U Block**
- 215mm
- 215mm
- 215mm

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**IMPORTANT INFORMATION**

**Colours and Texture**

As with all concrete products, our masonry products may be subject to colour and texture variation due to the raw materials used. These are natural occurrences inherent in all concrete products. Kilsaran cannot accept responsibility for these natural occurrences.

**Efflorescence**

Efflorescence may occur as a naturally occurring phenomenon when temporary white stains may appear on the masonry product surface. This is inherent in concrete products produced with natural materials, this is not a product defect. Kilsaran cannot accept responsibility for this natural occurring phenomenon. Please note Masonry products must not be left exposed.

**Dimensional Tolerances**

The dimensional tolerances declared on a masonry unit CE&DOP comply with the direction to which the product is manufactured.

**Disclaimer**

Whilst every care has been taken in compiling this technical information guide, the information above is Kilsaran’s interpretation of the current building regulations and associated requirements for masonry construction. This document serves merely as a guide to the user. Kilsaran accepts no responsibility whatsoever for any errors made through the use or interpretation of the information contained within this document. It is the responsibility of the client to ensure that all design work and calculations are carried out by an appropriately qualified professional in accordance with all current National and European standards.

**This Brochure**

All information contained in this brochure is correct and fully complies with current building regulations at time of going to print.
COMPLETE PRODUCT RANGE

Ready Mix Concrete
- Standard Strength Mixes
- Specified Mix Designs
- Architectural Concrete
- Exposed Aggregate Concrete
- Self Compacting Concrete
- Polished & Ground Concrete
- Pigmented Concrete
- Early Age Strength Gain Concrete

Masonry Products
- Standard Blocks
- High-Strength Blocks
- Facing Quality Blocks
- E-Blocks
- K-Blocks

Aggregates
- Standard Range of Aggregates
- Decorative Aggregates
- Wet Bag Ranges

Paving Products
- Block Paving Range
- Flag Paving Range
- Permeable Paving Range

Dry Mortar Products
- Mortars
- Renders
- Micro Concretes
- Sand & Cements / Bedding Mixes
- Streetscape
- Grouts
- Repair Mortars

Floor Screed
- Alphaflo
- Ecoflo
- Sand & Cement
- Sand & Cement Polymer Modified
- Alpha Level 520

External Wall Insulation
- Ceresit Ceretherm by Henkel
  - Express
  - Classic
  - Wool
  - Impactum
  - Premium
  - Visage

Asphalt Product Range
- Asphalt Concrete
- Hot Rolled Asphalt
- Polymer Modified Stone Mastic Asphalt
- Stone Mastic Asphalt
- Clima-Phalt

Road Surfacing & Contracting
Highly qualified road-surfacing team with unrivalled expertise in the supply and laying of bituminous materials

TEL: 01 8026300 OR VISIT WWW.KILSARAN.IE
Our Masonry Products can be sourced at any of our block production facilities located in:

- Piercetown, Dunboyne, Co. Meath T: 01 8026300
- Rossmore, Carrigtwohill, Co. Cork T: 021 4883120
- Halverstown, Kilcullen, Co. Kildare T: 045 485260
- Moate, Ballinakill, Co. Laois T: 057 8733532
- Gallstown, Grangebellew, Drogheda, Co. Louth T: 041 6861515
- Proudstown, Navan, Co. Meath T: 046 9023116
- Castletown, Rathmolyon, Co. Meath T: 046 9559593
- Bunaterin, Tullamore, Co. Offaly T: 057 9321727
- Ballinclare, Kilbride, Co. Wicklow T: 040 478100

www.kilsaran.ie