Roadstone – leading supplier of building materials

High Strength Blocks

Roadstone manufacture the most extensive range of High Strength concrete blocks in Ireland from the highest quality aggregates produced at our own quarries. Blockwork and masonry blocks have been the proven mainstay of modern construction techniques in Ireland. They are available in both metric and modular size ranges and are suitable for plastering

Group 1 (solid) 13N/mm², 18N/mm², 24N/mm², 36N/mm² and 48N/mm²

Group 2 (cavity) 13N/mm², 18N/mm² and 24N/mm²

(I.S. EN772-1 fm dry). The blocks can be integrally coloured for identification purposes, texture can vary due to differing source materials and production methods.

Key features and benefits

- Extensive range of solid and hollow blocks.
- Standard sizes – metric 450mm and modular 400mm ranges.
- Wide choice of accessory products
- Blocks can be Colour coded for easy identification on site and in situ.
- Produced at 12 locations nationwide.
- High compressive strength.
- Class A1 – Fire resistance.
- Excellent sound insulation.
- Low thermal conductivity and high thermal capacity.
- Long term durability.
- Sustainable production process.
- On going testing and quality control.
- Cost effective.

Technical specification

Standard Concrete Blocks

- I.S. EN ISO 9001:2000 quality management system
- Roadstone products also meet the statutory requirements of the relevant sections of The Irish Building Regulations 2014

**Thickness Options**: 450mm Range: 100mm/140mm/215mm, 400mm Range: 90mm/190mm
Standard Specials: Quoins, Cavity, Closer, Lintels, Bond Beams The full Forticrete range of shapes and sizes can be made to order.

Compressive Strength: Available to I.S. EN772-1 fm dry Group 1 (solid) 7.5N/mm² 10N/mm² and 15N/mm² Group 2 (cavity) 4N/mm² 5N/mm² and 10N/mm²

Fire Resistance: Euro code 6 - I.S. EN 1996 Design of Masonry Structures – Part 1-2: General Rules – Structural Fire Design, defines the methods and calculations to determine the fire resistance of concrete block walls. Table N.B3.1 to table N.B3.6 of annex A, Roadstone Blocks have a Class A1 Fire rating

Thermal Properties: I.S. EN 1745 Masonry and masonry products-Methods for determining design thermal values. Table A3 Typical Thermal Resistance “R” value of 100 mm solid block = 0.084 (m²K/W). Typical Thermal resistance “R” value of 215 mm cavity block = 0.210 (m²K/W)

Related products

- Standard Blocks
- Aristocrat
- Fine Texture Blocks
- Trowel Ready Mortar
- Forticrete Masonry
- Flomix – Mortars, Renders & Plasters
- Monorend
- Float Ready Plaster and Render