

# TECHNICAL DATA SHEET



Available as standard in 3.5, 7.3 & 10.4N/mm<sup>2</sup> compressive strengths.  
Modulite Medium Dense Lightweight Blocks measure 440mm x 215mm.

Modulite blocks are produced using responsibly resourced sustainable materials maintaining a high recycled content and use no PFA in their makeup. Weighing approximately 14kg this block meets all the criteria for HSE Manual Handling recommendations.

Modulite is a range of lightweight medium dense blocks available in a variety of formats and suited to a number of loadbearing applications. Modulite lightweight medium dense blocks are suitable for use in walls above and below ground and in block and beam floors. They have a proven high level of technical performance and quality.

Manufactured where thermal efficiency and manual handling conditions are required, the product maintains its high strength and robust qualities whether used above or below ground. It has excellent noise insulation characteristics and is extremely resilient to ambient conditions. Specified for use in: Internal leaves of cavity walls, externally rendered walls and Interior load bearing walls.

CCP recommend that due to natural variations in aggregates projects should source material from the same CCP site to ensure as far as is reasonably practicable the continuity of the textural finish and hue.



ISO 45001  
Certified



<b>Compliance with EN1996-1</b>	Group 1
<b>Manufacturing Standard</b>	BS EN 771 – 3: 2011
<b>Tolerance Category</b>	D1
<b>Size</b>	440mm x 215mm x 100 / 140mm
<b>Meters per pack</b>	7.2m <sup>2</sup> (100mm), 4.8m <sup>2</sup> (140mm)
<b>Blocks per pack</b>	72 (100mm), 48 (140mm)
<b>Flatness</b>	NPD (See BS EN 771-3 sec 5.3.2.2)
<b>Plane Parallelism</b>	NPD
<b>Bulk dry material density</b>	1350 - 1600 kg/m <sup>3</sup>
<b>Dry Weight</b>	Approximately 14kg (100mm)
<b>Compressive strengths</b>	3.5, 7.3 & 10.4N/mm <sup>2</sup>
<b>Thermal Conductivity (K Value)</b>	0.43W/mK
<b>Thermal Resistance (R Value)</b>	0..21 (int) – 0.20 (ext) m <sup>2</sup> K/W
<b>Dry shrinkage</b>	Less than 0.06%
<b>Moisture movement</b>	≤ 0.5
<b>Water Absorption</b>	NPD
<b>Water Diffusion</b>	5/15 (EN 772-3 sec 5.8)
<b>Shear Bond Strength</b>	0.15 N/mm <sup>2</sup>
<b>Acoustic Resistance (Single Leaf)</b>	46dB
<b>Reaction to Fire</b>	Euro class A1
<b>Durability to freeze / Thaw</b>	Recommend not to leave exposed
<b>Detail</b>	Complies with part E for Walls and Floors.

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