

# TECHNICAL DATA SHEET

## PRODUCT: MODULITE CELLULAR DENSE



Available as standard in 7.3N/mm<sup>2</sup> compressive strength.  
**Modulite Medium Dense Cellular Blocks measure 440mm x 215mm.**

Modulite Medium Dense Cellular Blocks are produced using responsibly resourced sustainable high-quality cement, sand and natural aggregates. This 100mm block weighs just 10.6kg.

These durable and very versatile cellular blocks can be used as a direct replacement for solid blocks in almost every instance except where maximum wall mass is required for noise insulator purposes. They can be used above or below DPC and in all types of applications: Internal leaves of cavity walls, externally rendered walls, infill framed structures and partition walls. 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.

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 100mm
<b>Meters per pack</b>	9m <sup>2</sup>
<b>Blocks per pack</b>	90
<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—1450 kg/m <sup>3</sup>
<b>Dry Weight</b>	Approximately 10.6kg
<b>Compressive strengths</b>	7.3 N/mm <sup>2</sup>
<b>Thermal Conductivity (K Value)</b>	0.36 (int) – 0.38 (ext) W/mK
<b>Thermal Resistance (R Value)</b>	0.27 (int) – 0.26 (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>	44dB
<b>Reaction to Fire</b>	Euro class A1
<b>Durability to freeze / Thaw</b>	Recommend not to leave exposed

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