

# TECHNICAL DATA SHEET

## PRODUCT: CONSOLITE CELLULAR DENSE



Available as standard in a 7.3 N/mm<sup>2</sup> compressive strengths.

Consolite Cellular Blocks measure 440mm x 215mm and come in two thicknesses.

Consolite Cellular Dense Blocks are produced using responsibly resourced sustainable high-quality cement, sand and natural aggregates. The 100mm block weighs just 14.9kg.

Durability combined with high strength and excellent sound reduction (45dB for 140mm thick block) make Consolite Cellular Dense Blocks the perfect solution for all types of applications: Internal leaves of cavity walls, Party walls, Load bearing walls and Partition 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.



<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>	9m <sup>2</sup> (100mm), 6m <sup>2</sup> (140mm)
<b>Blocks per pack</b>	90 (100mm), 60 (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>	1850—2000 kg/m <sup>3</sup>
<b>Dry Weight</b>	Approximately 14.9kg (100mm)
<b>Compressive strengths</b>	7.3 N/mm <sup>2</sup>
<b>Thermal Conductivity (K Value)</b>	0.88 (int) – 0.94 (ext) W/mK (100mm)
<b>Thermal Resistance (R Value)</b>	0.11 (int) – 0.10 (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>	45db
<b>Reaction to Fire</b>	Euro class A1
<b>Durability to freeze / Thaw</b>	Recommend not to leave exposed

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