

# TECHNICAL DATA SHEET

PRODUCT: CONSOLITE SOLID DENSE



Available as standard in 7.3, 10.4, 17.5 & 22.5 N/mm<sup>2</sup> compressive strengths. Consolite Solid Dense Blocks measure 440mm x 215mm and come in various thicknesses.

Consolite Solid Dense Blocks are produced using responsibly resourced sustainable high-quality cement, sand and natural aggregates.

Durability combined with high strength and excellent sound reduction (52dB) make Consolite Dense Blocks the perfect solution for all types of applications: foundations, load bearing walls, internal leaves of cavity walls, 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 75 / 100 / 140 mm
<b>Meters per pack</b>	9.6m <sup>2</sup> (75mm), 7.2m <sup>2</sup> (100mm), 4.8m <sup>2</sup> (140mm)
<b>Blocks per pack</b>	96 (75mm), 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>	1850—2000 kg/m <sup>3</sup>
<b>Dry Weight</b>	Approximately 18.08kg (100mm)
<b>Compressive strengths</b>	7.3, 10.4, 17.5 & 22.5 N/mm <sup>2</sup>
<b>Thermal Conductivity (K Value)</b>	1.13 (int) – 1.21 (ext) W/mK (100mm)
<b>Thermal Resistance (R Value)</b>	0.0885 (int) – 0.083 (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>	52db
<b>Reaction to Fire</b>	Euro class A1
<b>Durability to freeze / Thaw</b>	Recommend not to leave exposed

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