

TECHNICAL DATA SHEET

PRODUCT: CONSOLITE SOLID DENSE



Available as standard in 7.3, 10.4, 17.5 & 22.5 N/mm² 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.



Compliance with EN1996-1	Group 1
Manufacturing Standard	BS EN 771 – 3: 2011
Tolerance Category	D1
Size	440mm x 215mm x 75 / 100 / 140 mm
Meters per pack	9.6m ² (75mm), 7.2m ² (100mm), 4.8m ² (140mm)
Blocks per pack	96 (75mm), 72 (100mm), 48 (140mm)
Flatness	NPD (See BS EN 771-3 sec 5.3.2.2)
Plane Parallelism	NPD
Bulk dry material density	1850—2000 kg/m ³
Dry Weight	Approximately 18.08kg (100mm)
Compressive strengths	7.3, 10.4, 17.5 & 22.5 N/mm ²
Thermal Conductivity (K Value)	1.13 (int) – 1.21 (ext) W/mK (100mm)
Thermal Resistance (R Value)	0.0885 (int) – 0.083 (ext) m ² K/W
Dry shrinkage	Less than 0.06%
Moisture movement	≤ 0.5
Water Absorption	NPD
Water Diffusion	5/15 (EN 772-3 sec 5.8)
Shear Bond Strength	0.15 N/mm ²
Acoustic Resistance (Single Leaf)	52db
Reaction to Fire	Euro class A1
Durability to freeze / Thaw	Recommend not to leave exposed
Robust Detail	Complies with part E for Walls and Floors.

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