TECHNICAL DATA SHEET

PRODUCT: CONSOLITE SOLID DENSE CLOSE TEXTURED BLOCK

Available in 7.3N,10.4N,17.5N & 22.5N/mm2 compressive strengths.
Consolite Solid Dense Blocks measure 440mm x 215mm face size and come in various thicknesses as detailed in table below.

Consolite Solid Dense Blocks are produced using responsibly sourced and sustainable high-quality cement, sands and aggregates.

Consolite Solid Dense Blocks offer durability combined with high strength and excellent acoustic reduction properties and a non-combustible rating regarding fire. (Offering between 1 and 6 hours dependent on application)
This makes the product ideal for use in all types of applications including Foundations, Load Bearing and Non-Loadbearing Walls, Cavity and Solid Walls, Party Walls and Block and Beam Floor infill.

Consolite Solid Dense Blocks are manufactured using high grade fine aggregates which produce a Close Textured Face, suitable to accept a Paint Finish.
CCP recommends that due to natural variations in aggregates, projects should be sourced from one manufacturing plant to ensure as far as is reasonably possible a continuity of texture finish, but this cannot guarantee a uniformity of the block face colour.

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/mm2
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