

Corner Block

Description

The Corner Block is an aggregate concrete masonry unit, which has one hollow core to receive the reinforcing and concrete to form a tie-column.

The corner block as its name suggests, is used to form columns in corners and at junctions of block walls.

The corner blocks have the advantage of forming perfect right angles (without the help of any timber shuttering). They can also be used as doors and window jambs, allowing an easy placing of the concrete and reinforcing, thus giving a strong and homogeneous structure.

The column, lintols and ring beams thus formed, being of the same materials, simplifies the application of the plaster and the work of the plasterers.

Normative Reference

BS 6073: Part 1: 1981 - Specification for precast masonry units

BS 6073: Part 2: 1981 - Methods for specifying concrete masonry units

Technical Specifications

- External shell and web thickness of concrete cellular corner blocks available: 25mm thick, 32mm thick

- Tolerances on work sizes

Dimension	Maximum	Dimensional Deviation
Length		+3mm – 5mm
Height		+3mm – 5mm
Thickness (Width)		+2mm – 2mm
Shell / Web Thickness		+3mm – 3mm

- Weight of UBP Corner Blocks

Type of Block	External Shell and Web Thickness	
	25mm	32mm
150mm thk	±20kg	
200mm thk		±25kg

- Compressive strength of UBP Corner Block
The average crushing strength of 10 blocks shall not be less than 3.5MPa at delivery. The corresponding lowest crushing strength of any individual block shall not be less than 2.8MPa.

Note: Blocks with higher compressive strength can also be produced on prior request.

Materials Specifications

- Cement
ORDINARY PORTLAND CEMENT (CEM I – 42.5N)
Compliance with BS EN 197-1:2000 – Cement. Composition, specifications and conformity criteria for common cements.
- Aggregates
UBP AGGREGATES (Rocksand 0-4mm & Coarse Aggregate 4-6mm & 6-10mm)
Compliance with BS 882: 1992 – Specification for aggregates from natural sources for concrete.
- Water
BOREHOLE – Clean and free from any harmful amounts of deleterious matter, either in suspension or in solution controlled each month by external laboratories.

Test and Compliance Certificates

Appropriate certificates are issued upon request. In case of no particular specifications / requirements on the product, the test and compliance certificates will be according to BS 6073.

