

Block 20.15

Description

The Block 20.15 has been developed in order to eliminate the use of costly shuttering. It is used to form a concrete column of 200 x 200 at 3.0m intervals along boundary walls.

As its name indicates the block 20.15 has the peculiarity of having one half wider than the other. The wider part which is 200 wide overall is hollow, in order to create a permanent shutter that allows the steel and concrete through to form the column.

The other part is 150mm wide like the standard blocks which form the rest of the wall. By so doing this block is claimed to be both economical and ecological as it allows the elimination of intricate shuttering, thus reducing the costs of materials and labour together with a considerable gain in construction time.

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 blocks 20.15 available: 25mm 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 Concrete Blocks 20.15

Type of Block	External Shell and Web Thickness
20.15	±17kg

- Compressive strength of UBP Block 20.15

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 be also 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.

