

LIGHT BLOC

Description

The UBP has introduced an innovative product on the market, the LIGHT BLOC a revolutionary lighter block. Designed bottomless, unlike the traditional blocks, the LIGHT BLOC is lighter and therefore handier while being as resilient as the traditional one.

The LIGHT BLOC is available in two lengths with significant weight level change: 450mm weighs 2kg less than the traditional block and the 400mm weighs 4kg less. The blocks are available in three dimensions: 100mm, 150mm and 200mm thick.

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 LIGHT BLOC 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 Light Blocks

Type of Block	25mm Web & Shell Thickness
LIGHT BLOC 400 - 100 (4")	±10kg
LIGHT BLOC 400 - 150 (6")	±13kg
LIGHT BLOC 400 - 200 (8")	±14kg
LIGHT BLOC 450 - 100 (4")	±12kg
LIGHT BLOC 450 - 150 (6")	±16kg
LIGHT BLOC 450 - 200 (8")	±17kg

- Compressive strength of UBP Concrete LIGHT BLOC
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.

