

# U Block

## Description

The U Block is an aggregate concrete masonry unit also known as “Lintel Block”. It is used as permanent shuttering for lintels, window sills, and ring beams over lead bearing block walls. The reinforcement to be used depends upon the span/load characteristic, are to engineers’ specifications. Simple and easy to install, it is an economical product which helps to save time, materials and money.

### Economical

“When the U Block is jointly used with the Corner Block, a substantial saving of ±10% can be achieved, on the masonry work (grey only).” - University of Mauritius Report extract.

### Ecological Impact

“The use of U Blocks & Corner Blocks on a house of ±7.2 tons of CO<sub>2</sub> emissions.” - University of Mauritius Report extract.

Types of concrete U Blocks available are:

- 150mm thick
- 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 cellular blocks available: 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 Concrete U blocks

Type of Concrete U Block	Weight
150mm thk	±18kg
200mm thk	±14kg

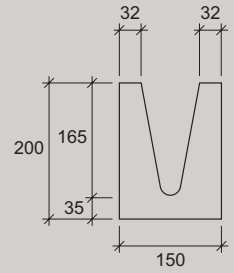
- Compressive strength of UBP Concrete U Blocks  
 The average crushing strength of 10 blocks shall not be less than 3.5MPa at delivery.  
 The corresponding lowest crushing strength of any individual block shall not be less than 2.8MPa.  
 Note: Blocks with higher compressive strength can be also produced on prior request.

## Materials Specifications

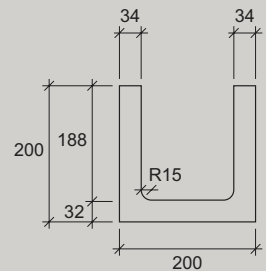
- Cement  
 ORDINARY PORTLAND CEMENT (CEM I – 42.5N)  
 Compliance with BS EN 197-1:2000 – Cement. Composition, specifications and conformity criteria for common cements.
- Aggregates  
 UBP AGGREGATES (Rocksand 0-4mm & Coarse Aggregate 4-6mm & 6-10mm)  
 Compliance with BS 882: 1992 – Specification 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.



Length 450mm



Length 350mm