



## **BETALOC™ SPECIFICATION (2010)**

### **Manufacture**

**Betaloc™** blocks are manufactured to fine tolerances using aggregates complying with BS EN 12620 and cement to BS EN 197.

### **Dimensions, weights & tolerances**

**Betaloc™** blocks achieve a minimum compressive strength of 7.3 N/mm<sup>2</sup> and when concrete and steel reinforcing is in situ, the strength is 35N/mm<sup>2</sup>

450mm long x 225mm high x 225mm wide - weight = 20 kg

Manufacturing tolerances, length, height, & width +/- 2mm.

Approx 10 blocks per m<sup>2</sup>

Delivered shrink wrapped on pallets (50 blocks per pallet)

### **Fire resistance**

Minimum fire resistance of **Betaloc™** blocks: 1 hour

### **Resistance to Sulphate attack & frost damage**

The standard concrete in filled **Betaloc™** wall system is resistant to ACEC Class AC-1 sulphates in accordance with BRE Special Digest 1 and has adequate resistance to freeze / thaw conditions.

### **Concrete infill**

The **Betaloc™** block wall system is bonded with in situ concrete, which is placed down through the inter-connected pockets in the dry bonded blocks, together with steel reinforcement to form a composite section with high vertical and lateral load resistance (35N/mm<sup>2</sup>). The concrete infill is to be design strength class C25/30 in accordance with the requirements of BS 8500 using 10mm maximum size aggregate, minimum cement content of 300 kg/m<sup>3</sup> OPC and a free water cement ratio of 0.55.

The concrete requirement is approx 0.13m<sup>3</sup> per m<sup>2</sup> of blocks

Availability: normally ex-stock (please call to confirm.)

**betaloc™**  
SHUTTERING BLOCKS FOR RETAINING WALLS