

Dense Aggregate Concrete Block

Skene Group Construction Services Ltd manufacture a complete range of dense aggregate blocks which offer the specifier a choice of units which will satisfy their functional, dimensional and aesthetic requirements. These blocks are:

Glencrete Standard: A general-purpose dense aggregate block manufactured from natural aggregates and Portland Cement.

Glencrete Paintgrade: A block specifically produced for painting or application of secondary finishes.

Glencrete Hollow: A 140mm and 215mm wide block with formed voids, which fully penetrate the block.

Glencrete Spacer: A flat-faced solid spacer brick that avoids cutting of full size blocks for interlocking courses or forming details.

STANDARDS & AUTHORITY

All **Glencrete** products comply fully with EN 771-3: Aggregate concrete masonry units.

PRODUCT APPLICATION

Normal Applications for dense blocks are as follows:

- ✓ External rendered/protected walls
- ✓ Internal plastered/finished walls
- ✓ Internal untreated walls
- ✓ Party, separating and sound reduction walls
- ✓ Partitions
- ✓ Below DPC
- ✓ Reinforced masonry walls
- ✓ Retaining walls

DIMENSIONS

The normal sizes available are:
440mm x 100mm x 215mm (block wt. 19kg)
440mm x 140mm x 215mm (block wt. 27kg)
290mm x 140mm x 215mm (block wt. 19kg)

COMPRESSIVE STRENGTH

Solid Blocks are available in 3.6, 7.3, 10.4, 15, 17.5, 22.5N & 30N/mm² strengths.

DENSITY

Normal manufactured density (at 3% m/c) of the concrete is in the range: 1850 – 2050 kg/m³. Higher strength blocks will tend to show greater density.

DRYING SHRINKAGE

Shrinkage of all blocks is less than 0.06%

FIRE RESISTANCE

The materials used in all blocks are non-combustible. Typical value of 2 hours fire resistance for load bearing and non-load bearing walls using a 100mm unit

QUALITY CONTROL

Skene Group operates an Internal Quality Control System. Our products are continually tested and monitored to ensure a consistent product every delivery at our on site laboratory.

AIRTIGHTNESS

Air permeability
Typical airtightness m³/hr/m²@50Pa
100mm solid- painted finish 0.13-1.16
140mm solid-painted finish 0.36