



GlenTherm

Lightweight Aggregate Concrete Block

Manufactured with 60% recycled aggregates

Skene Group manufacture a complete range of lightweight aggregate blocks which offer the specifier a choice of units which will satisfy their thermal, density, dimensional and aesthetic requirements. These blocks are particularly useful where the weight of block is an issue. These blocks are:

GlenTherm Standard: A general-purpose lightweight aggregate block of medium density, manufactured from *recycled* furnace bottom ash, quarry materials, Portland cement and a *recycled* cement replacement, giving 60% *recycled* aggregate content.

GlenTherm Paintgrade: A block specifically produced to receive a paint finish.

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

STANDARDS & AUTHORITY

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

BS EN 14021

PRODUCT APPLICATION

Lightweight blocks may be used for:

- ✓ External rendered/protected walls
- ✓ Internal plastered/finished walls
- ✓ Internal painted walls
- ✓ Partitions
- ✓ Separating Walls
- ✓ Below DPC –minimum 7n/mm²
- ✓ Infill blocks for pre-stressed/ suspended floor

DIMENSIONS

440mm x 100mm x 215mm

440mm x 140mm x 215mm

COMPRESSIVE STRENGTH

All **GlenTherm** blocks are manufactured totally solid, and are available in 2.8 3.5, 7.3 10.4 & 14N/mm² strengths.

DENSITY

Normal manufactured density (at 3% m/c) of the concrete is in the range: 1200 – 1400 kg/m³. Higher strength blocks will tend to show greater density.

**Typical working weight: 100mm 14kg
140mm 20kg**

Thermal conductivity 0.38-0.51w(mk)

DRYING SHRINKAGE

Shrinkage of all blocks is less than 0.06%

FIRE RESISTANCE

The materials used in all blocks are non-combustible. Figures available on request.

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.h⁻¹.m⁻²@50Pa

100mm solid painted finish n/a

140mm solid painted finish 0.56