

# BMC ThermalLite Blocks

- Improved load bearing strengths of blocks –  $7 \text{ N/mm}^2$  –  $10.5 \text{ N/mm}^2$  and greater.
- Cost effective – improved insulation, energy saving.
- Environmentally friendly – it is a natural waste product; it is a chemically and physically stable material.
- Durability – one of the oldest building materials, its Pozzolanic properties continue to harden year to year without any degradation.



## BLOCK FEATURES

- Load bearing strengths of  $7 \text{ N/mm}^2$  and greater.
- Workability ThermalLite blocks 100mm, 10 kg per block allows safer handling.
- Low thermal conductivity of  $0.32 \text{ W/M}^{\circ}\text{C}$
- Improves sound insulation.
- Fire resistance – pumice 100mm gives a minimum of 2 hours fire rating for load bearing walls. Non load bearing walls – 4 hours.
- Strong blocks for fixing-can be drilled and plugged, no special fixing required
- Excellent plaster key – no need for bonding agents
- Fewer breakages – design strength will keep physical & financial damage to a minimum
- Economy – efficiency of transport and handling of ThermalLite block

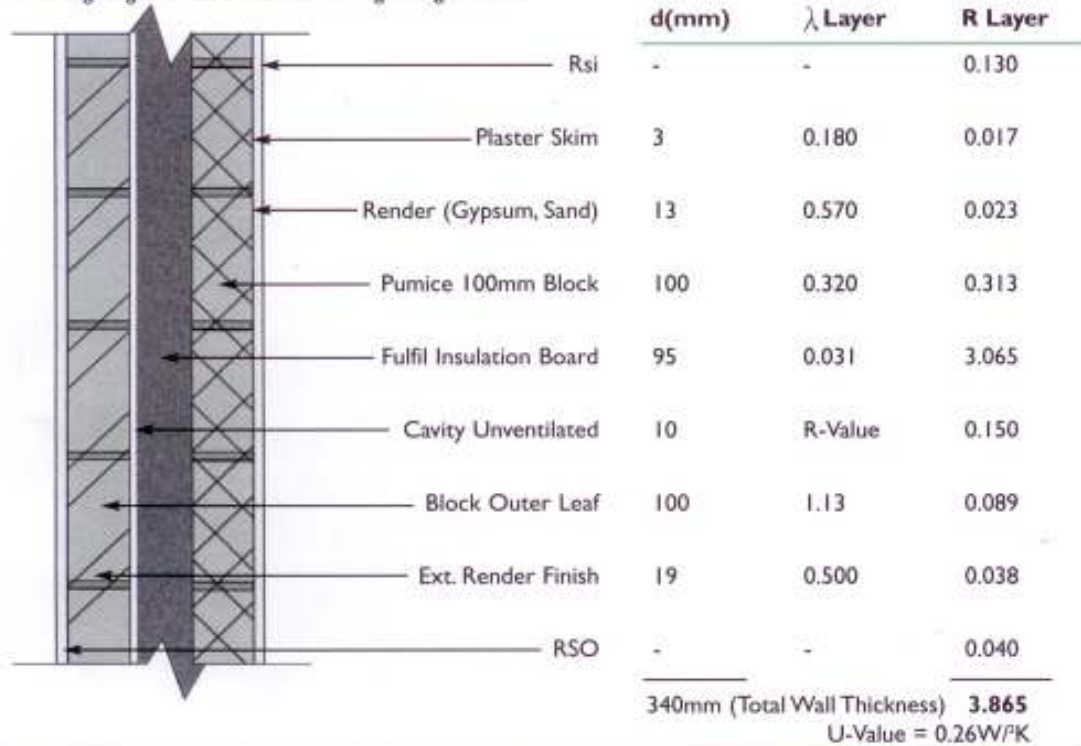


# ThermalLite Blocks

	Normal Density	Medium Density	Light Density
Weight	2000 Kg/m <sup>3</sup>	1500 Kg/m <sup>3</sup>	1010 Kg/m <sup>3</sup>
Thermal Resistance	1.13 W/m <sup>2</sup> °C	0.585 W/m <sup>2</sup> °C	0.320 W/m <sup>2</sup> °C
Strength	7 N/mm <sup>2</sup>	7 N/mm <sup>2</sup>	7 N/mm <sup>2</sup>

Moisture content conditioned + 3%

Achieving Target U-Value with Pumice Lightweight Block.



## Where to Apply the Strength

- **Industrial**-Pumice blocks are ideal for factory or industrial plant walling where weight saving, high strength and low material costs are of prime importance.
- **Domestic**-Pumice blocks have strength to carry floor slabs and can offer thermal efficiency. Pumice concrete for floor screed to hold thermal insulation.
- **Agricultural**-Pig and poultry units, walling. Pumice blocks can offer thermal efficiency and reduce condensation.

**For further Information Contact:**

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