



PUMICE INSULATION BLOCKS

W.D.L pumice blocks are manufactured to BS EN771-3 1981 part 1. The pumice aggregate is the waste of volcanic ash, which is inert and therefore will not react physically or chemically to outside forces. It is strong and highly thermally efficient. Pumice with its pozzolanic properties continues to harden year after year without any degradation. They are: lightweight, easy to lay, chase and cut. It offers an excellent plastering key for plastering, rendering and joining fixings. The physical characteristics of our pumice blocks make them suitable for a wide range of applications in load bearing and non loadbearing internally and externally.

Pumice is a class 1 aggregate and is classified as non-combustible in accordance with B.S. 476 part 4:1970. Pumice starts to degrade to glass above 1200 degrees centigrade thus giving two-hour fire resistance on a 100mm configuration. They are a functional block manufactured with a standard finish with average compressive strengths of 3.6 and 7.3 Newtons.



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Pumice Lightweight Aggregate Blocks

Face Dimensions: 440mm x 215mm

Thickness (mm)	Type	Finish	Quantity per Pack (m ³)	Average Dry Density @3% Moisture Content (Kg/m ³)	Thermal Conductivity @3% Moisture Content (W/mk)	Approx Weight (kg)	Compressive Strength (N/mm ²)	Approx Drying Shrinkage 1%	Thermal Resistance Values (m ² K/W) @3% Moisture Content	Notional Fire Resistance (Hours)	Sound Reduction Value (dB)
100	Solid	Standard	9.0	1000	0.285	11.2	3.6 7.3*	0.045	0.357	2	48
140	Solid	Standard	6.0	1000	0.285	17.2	3.6 7.3*	0.045	0.491	3	51

*Available on special request

Figures given are for single leaf construction excluding wall finishes

Suitable Applications

- Internal Partitions
- Outer and Inner Leaves of Cavity Walls
- Loadbearing Walls
- Inner Leaf of Cavity Walls, when Used in Conjunction with Secondary Insulation
- External Walls with Render or Cladding
- Infill Blocks for Beam and Block Flooring.

Pumice Lightweight Aggregate Briquettes

Can be used in areas of block work where coursing details or closure is necessary. Thus reducing cutting time and wastage of full size blocks.

Size (mm)	Form	No. Per Pack	Approx Weight (kg)
100*215*65	No Frogs or Holes	416	1.9

Load Sizes

Face Dimensions: 440mm x 215mm

Thickness (mm)	Arctic (m ²)	8 Wheeler	6 Wheeler
100	198	144	108
140	132	96	72



Pumice Blocks are light, strong, easy to lay, chase and cut. They provide an excellent adhesion for traditional render.