



# CES Quarry Products Ltd

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**Aughrim - Dunavil - Murlough - Edendarriff - Castlenavan - Doran's Rock - Moneyreagh**

**Conforms with– BS EN 771-3**

## ***CES Lightweight Block***

(Not recommended for carrying hollow core floor slabs)

### **Lightweight Block**

Lightweight pumice blocks and bricks are produced by CES from pumice aggregate and Portland cement. Medium density blocks and bricks are made from a mixture of pumice aggregate, dense aggregate and Portland cement.

All are compacted on modern automated machinery to achieve the required strength, appropriate density and low drying shrinkage.

Pumice is inert as the heat present during its formation has destroyed any harmful impurities. The cellular structure of pumice affords excellent resistance to the transmission of heat and sound.



**Lightweight (pumice) block production**

***CES take their Environmental and Health & Safety responsibilities seriously and have implemented a continuous improvement campaign.***

#### **HEALTH & SAFETY WARNING**

Please take care when using our products. In the event of an accident please seek medical attention immediately.  
Always wear the relevant PPE gear when working with our products.



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## CES Lightweight Block - Technical Advice

### CES Lightweight Block Thermal Conductivity (K Value)

Pumice Block	0.23 w/mK
Medium Density Block	0.47 w/mK

### CES Lightweight Block - Size - Weight - Densities - Strength

Block						
Length mm	Height mm	Thickness mm	Med Density Weight Kg	Pumice Weight Kg	Strength	Density
440	215	100	14.5 - 16.0	10.8 - 12.0	5.5N/mm <sup>2</sup>	1200Kg/m <sup>3</sup> Pumice
440	215	140	14.5 - 16.0	15.5 - 18.0	5.5N/mm <sup>2</sup>	1600Kg/m <sup>3</sup> Medium
215	100	65	2.2 - 2.3	1.7 - 1.8	5.5N/mm <sup>2</sup>	Density

*Special sizes available to order*

### CES 100mm Lightweight Block - U-Values

Springvale Platinum Moulded Cavity Fill Board	CES Lightweight Block
95mm Cavity Fill (105mm Cavity)	0.26 W/m <sup>2</sup> K
140mm Cavity Fill (150mm Cavity)	0.19 W/m <sup>2</sup> K
Ecobead Platinum Injected Bead	CES Lightweight Block
100mm Cavity with Ecobead Platinum	0.27 W/m <sup>2</sup> K
150mm Cavity with Ecobead Platinum	0.19 W/m <sup>2</sup> K

Please note that CES Lightweight Blocks are not recommended for carrying hollow core floor slabs. For further advice please contact CES.

**Ready Mixed Concrete . Floor Screed . CES Super Screed  
Building & Plastering Mortar . Mini Mix Concrete . Concrete Block  
Quarry Stone . Lightweight Block**

*For info on our full range of products/services please call  
CES Head Office on 0845 60 43 300 or visit*

**[www.cesquarryproducts.com](http://www.cesquarryproducts.com)**