

Evalast Paint Grade

Mean compressive strength: 7.3 - 22.5N/mm²

Thermal conductivity: 1.22W/m.K internal, 1.31W/m.K external

Dry density: 1900 kg/m³



Evalast Paint Grade

Evalast blocks are produced from selected aggregates complying with BS EN 12620, and Portland cement. They are manufactured to BS EN 771-3 and are subject to rigorous quality control. These superior quality dense blocks are produced with a mix design formulated to produce a close face texture.

Evalast Paint Grade blocks are manufactured from selected aggregates, producing a consistent smooth texture, which is ideal for receiving a painted finish.*

*The finish on Evalast Paint Grade products is guaranteed on one header and one stretcher only.

Applications

Evalast Paint Grade blocks can be used in all situations where durable, robust or painted blockwork is required. They are an economic solution for applications such as:

- factory units
- workshops
- sports centres
- offices

The strength and type of aggregate used allows these blocks to be built in external or internal applications with sustained long term durability.

The close texture of the Evalast Paint Grade product, coupled with their high strengths, provides an excellent base for a variety of standard fixing systems.



For instant U-value calculations

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Material properties

Thermal conductivity W/m.K	internal	1.22
	external	1.31
Dry density kg/m ³		1900
Total moisture movement mm m ⁻¹		< 0.50
Vapour resistivity MN.s/g.m		100
Mean compressive strength N/mm ²	solid	7.3, 10.4, 17.5, 22.5
Water absorption by capillary g/m ² .s ^{0.5}		< 375
Shear bond strength N/mm ²		0.15
Fire classification		A1
Flatness mm		< 0.5
Water vapour permeability		5/15
Dimension tolerance classification		D1
Configuration		†Group 1



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Dimensions, weights and properties

Work size mm	Width mm	Configuration	Thermal resistance m ² K/W		Dry block weight kg	Weight laid kg/m ²	Sound reduction dB	Fire resistance (hours)	
			internal	external				Single leaf - no applied finish non loadbearing Class 2 agg	loadbearing Class 2 agg
440 x 215	100	Solid †	0.082	0.076	18.0	195	43	2	2
	140	Solid †	0.115	0.107	25.2	273	45	3	2

Specification and performance

Being manufactured from natural aggregates, aggregate blocks provide a high standard of sound insulation. They also provide the highest possible levels of fire resistance and are often used where fire resistance is an important characteristic of the structure.

Fire resistance will however, depend on the type of aggregate used. It is therefore important that the class is specified in order to obtain the correct block for the required application.



All Forterra aggregate blocks incorporate Regen[®] in their manufacture which reduces their CO₂ emissions by up to 30%. Regen[®] is Ground Granulated Blast furnace Slag (GGBS), which is a cement substitute manufactured from a by-product of the iron-making industry. Each tonne of Regen[®] used reduces the embodied CO₂ by around 850kg, compared to using Portland Cement, and also increases its durability.