

Fenlite Paint Grade

Mean compressive strength: 7.3N/mm² Thermal conductivity: 0.47W/m.K internal Dry density: 1450kg/m³



Fenlite Paint Grade

Fenlite blocks are a medium density product, intended for internal applications where weight is critical. Manufactured to the requirements of BS EN 771-3, from selected aggregates and Portland cement, Fenlite products are subject to rigorous quality control. The blocks are manufactured with a mix design formulated to produce a close face texture.

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


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

Applications

Fenlite Paint Grade blocks are ideal for use where appearance and weight are of prime consideration. They are intended for internal applications where a lightweight, economic paintable block is required for aesthetically important projects such as:

- shopping precincts
- offices
- sports centres
- factory units
- workshops

The close texture of Fenlite Paint Grade products, coupled with 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 only | 0.47 |
| Dry density kg/m ³ | | 1450 |
| Total moisture movement mm m ⁻¹ | | < 0.80 |
| Vapour resistivity MN.s/g.m | | 50 |
| Mean compressive strength N/mm ² | solid | 7.3 |
| Water absorption by capillary g/m ² .s ^{0.5} | | < 350 |
| 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 | Dry block | Weight laid kg/m ² | Sound reduction dB | Fire resistance (hours) | |
|--------------|----------|---------------|-----------------------------|-----------|-------------------------------|--------------------|---|-------------------------|
| | | | m ² K/W internal | weight kg | | | Single leaf - no applied finish non loadbearing Class 1 agg | loadbearing Class 1 agg |
| 440 x 215 | 100 | Solid † | 0.213 | 13.7 | 151 | 42 | 2 | 2 |
| | 140 | Solid † | 0.298 | 19.2 | 212 | 44 | 4 | 3 |

Specification and performance

Fenlite Paint Grade blocks are manufactured using Class 1 aggregates and often used where the highest possible levels of fire resistance are required together with good sound insulation properties.



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.