

Greenbloc

Ultra Low Carbon Sustainable Concrete Block



Greenbloc products are manufactured using responsibly sourced and sustainable high-quality sands and aggregates. The Greenbloc range has reduced embodied CO₂ compared to the standard cement based product. The Greenbloc Ultra product is manufactured without cement giving the lowest embodied CO₂ option. Compliance with EN1996-1 Group 1 Manufacturing Standard BS EN 771-3:2011. Environmental product declaration data is available upon request.

| Product Code | 351410GB | 301410GB | 3001400GB | 301610GB | 351410GBP | 301610GBP |
|---|----------------------------------|--------------------------|-------------------------|--------------------------|-------------------------------|----------------------------|
| Product Type | Greenbloc Solid Dense Ultra | Greenbloc Modulite Ultra | Greenbloc Laylite Ultra | Greenbloc Modulite Ultra | Greenbloc Solid Dense Premium | Greenbloc Modulite Premium |
| Thickness (mm) | 100 | 100 | 100 | 140 | 100 | 140 |
| Size L x H x W (mm) | 440 x 215 x 100 | 440 x 215 x 100 | 440 x 215 x 100 | 440 x 215 x 140 | 440 x 215 x 100 | 440 x 215 x 140 |
| Compressive strength (N/mm ²) | 7.3 | 7.3 | 4.2 | 7.3 | 7.3 | 7.3 |
| Form | Solid | | | | | |
| Paint grade | Yes | No | No | No | Yes | No |
| Ground Condition Suitability | DS1/DS2/DS3 | DS1 | DS1 | DS1 | DS1/DS2/DS3 | DS1 |
| Metres per pack (m ²) | 7.2 | 7.2 | 9 | 4.8 | 7.2 | 4.8 |
| Blocks Per Pack | 72 | 72 | 90 | 48 | 72 | 48 |
| Dry density (kg/m ³) | 1850-2000 | 1350-1600 | 1020-1180 | 1350-1600 | 1850-2000 | 1350-1600 |
| Approx weight (kg) | 18.2 | 13.2 | 11.3 | 18.6 | 18.2 | 19.4 |
| Thermal Conductivity W/mK λ10, dry | 1.11 | 0.48 | 0.31 | 0.48 | 1.11 | 0.48 |
| Fire Resistance ¹ (Hours) | 4 | | | | | |
| Reaction to Fire | Euro Class A1 (Non Combustible) | | | | | |
| Sound reduction value ² (dB) | 49 | 46 | 45 | 49 | 49 | 49 |
| Shear Bond Strength (N/mm ²) | 0.15 | | | | | |
| Durability to Freeze/Thaw | Recommended not to leave exposed | | | | | |
| Carbon reduction* | Up to 80% | Up to 80% | Up to 80% | Up to 80% | Up to 70% | Up to 70% |



Block weights are approximate and include moisture content

¹Figures shown are the nominal fire ratings based on single block wall in a loadbearing situation, faced both sides with plasterboard and skim

²Includes 2 layers of plaster

*Compared to a standard OPC (Ordinary Portland Cement) block

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