



Technical Data Sheet

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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