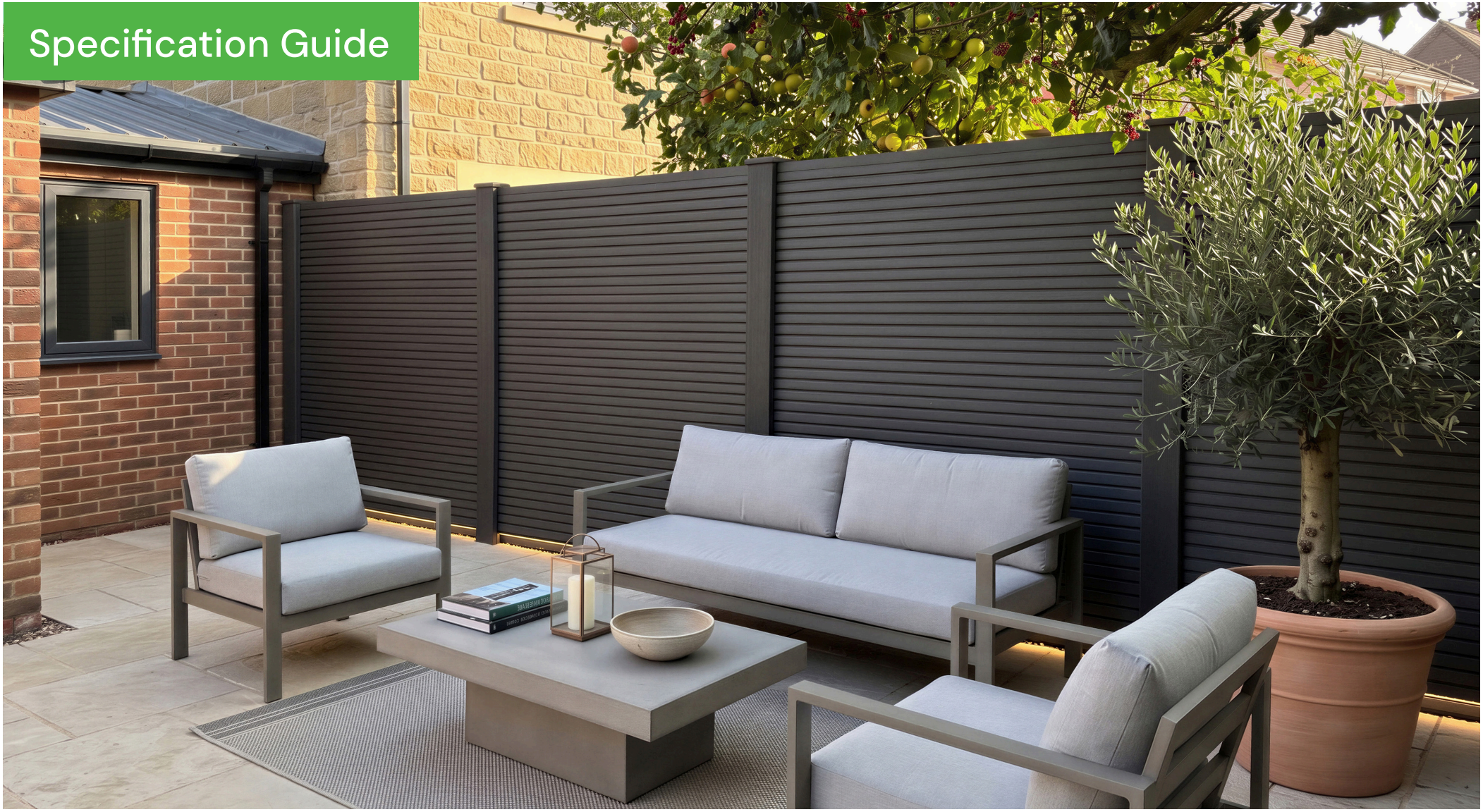
ecoscape®

www.ecoscape.co.uk
01706 364 637
sales@ecoscape.co.uk

CLARITY COMPOSITE FENCING

November 2026

Specification Guide



Clarity Composite Fencing

Clarity fence boards are a long-lasting, low maintenance alternative to timber. They can be retrofitted between existing concrete fence posts or used within the complete Ecoscape composite fence system.

Each board is dual-sided, with a 63mm batten on one side and a 38mm batten on the other, separated by a 12mm shadow line. Boards can be stacked in different combinations to create the design you want.

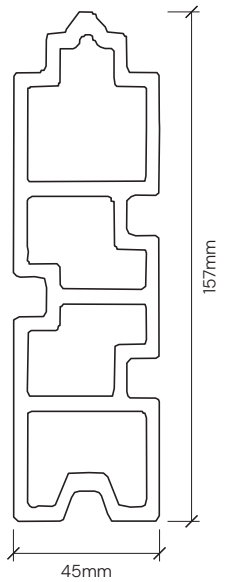
PRODUCT CODES





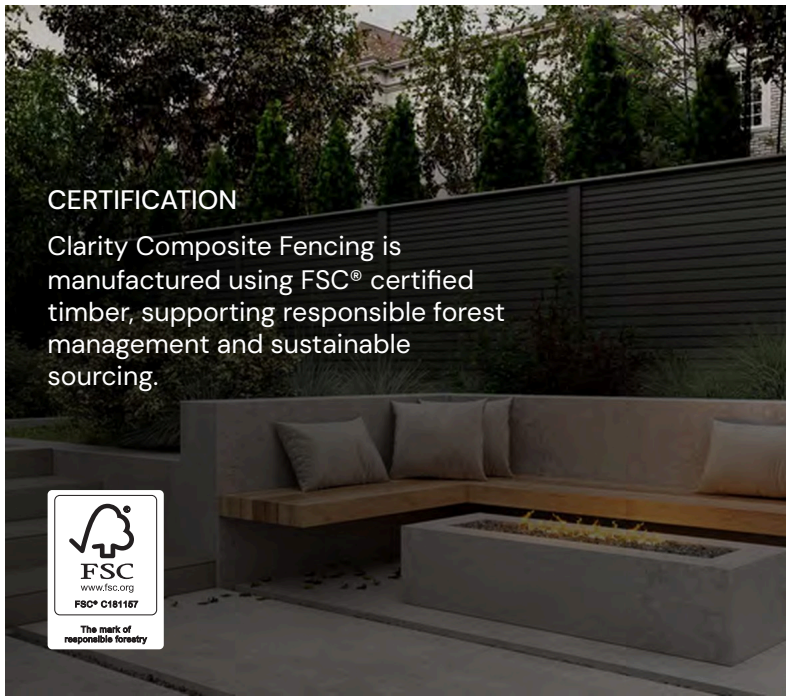


Length	Charcoal	Graphite	Walnut
1.83m	ECOFBCH183	ECOFBGR183	ECOFBWN183



DETAILS

LENGTH	1830mm
HEIGHT	150mm
THICKNESS	45mm
WEIGHT	3.17kg p/lm
MATERIAL	Wood plastic composite
FINISHES	3 x 38mm battens on one side, 2 x 63mm battens on the other.
WARRANTY	20 years



Clarity Fencing Benefits

Clarity fencing shares the benefits of our Clarity decking, including low maintenance and a 20 year warranty. It can be used with our composite posts or slotted between existing fence posts, and the system has been tested for wind force and acoustic performance.

20 YEAR WARRANTY

LOW MAINTENANCE

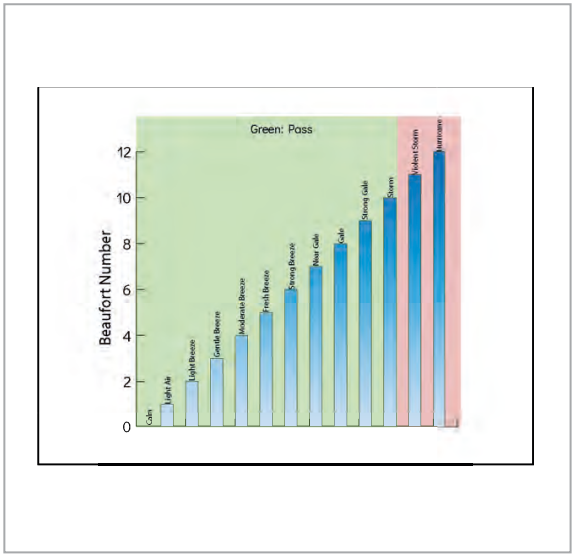
WIND TESTED TO 63mph

FAST, EASY INSTALL

ACOUSTICALLY TESTED (-28dB)







Sustainable Choice

Ecoscape wood plastic composite is made from recycled plastic and wood fibre. Choosing Ecoscape diverts this material from landfill and gives it a second life.

Wind Force Test

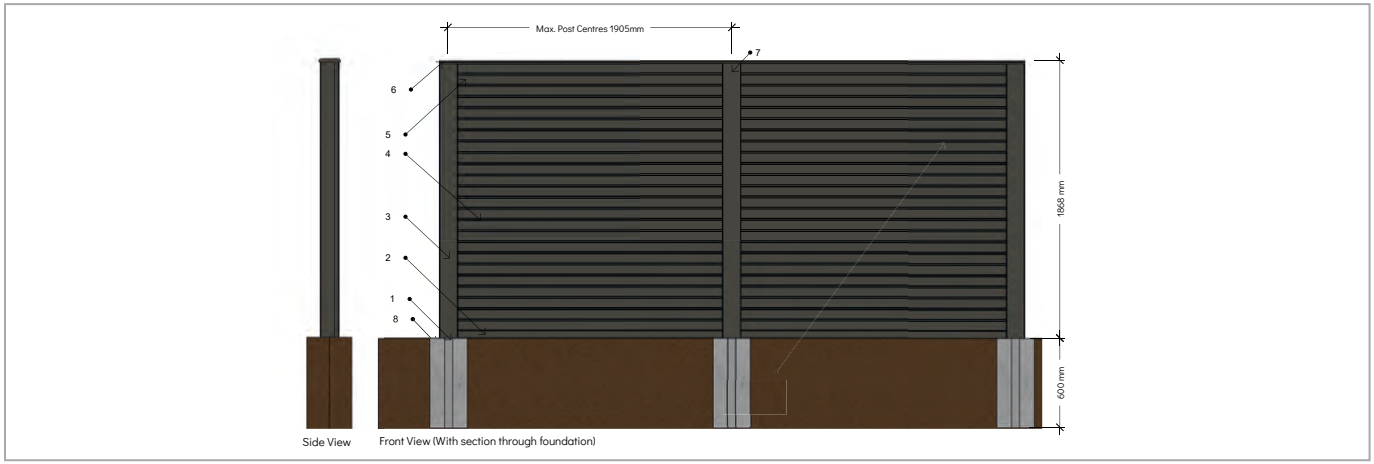
The chart shows the Beaufort Wind Scale. Clarity fencing has been tested to a force equivalent to 10 on the Beaufort Scale, a storm with winds of 55-63mph. The fence system remained fully intact, with no failure, disengagement of any component or visible cracking.

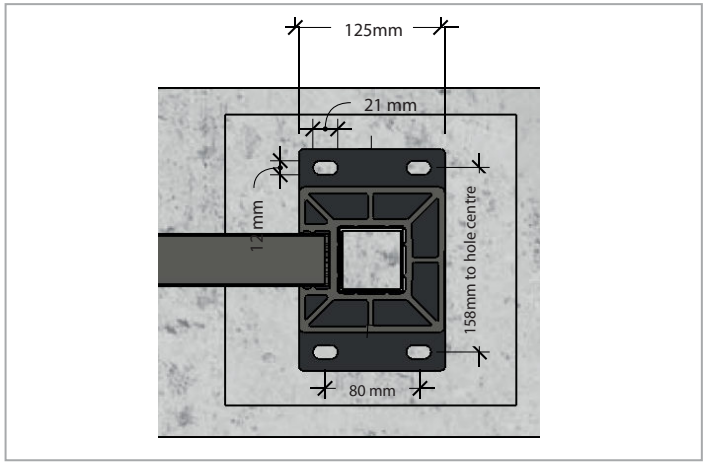
Acoustic Performance

The fence system has been independently tested for acoustic performance, with a weighted sound reduction index of -28dB.

Working Specification - Fencing Systems

Our fencing system includes every component needed for a long-lasting fence in almost any situation. The drawings show typical installation details, onto hard standing using our fence base plates or into soft ground using steel inserts.





1: Fence Post Steel Insert

2: Aluminium Bottom Rail

3: Fence Board

4: Fence End Post

5: Fence Top Board

6: Fence Full Top Cap / Fence Post Capping Board

7: Fence Inter Post

8: Concrete Footing

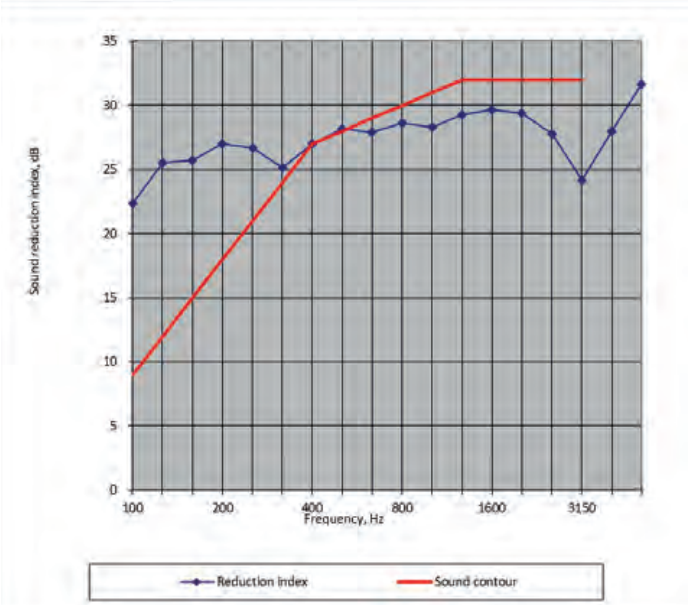
Clarity fence boards are 1830mm long, allowing maximum post centres of 1905mm. Boards can be cut where smaller centres are required.

Fence posts can also be bolted onto hard standing, such as brick or concrete, using our fence base plate (shown above).

For further information, please see the installation guides on www.ecoscape.co.uk

Property	Test Method	Test Result				Notes
Thickness, Width and Length	EN15534-1:2014, 6.6.2	Item	Length (mm)	Width (mm)	Thickness (mm)	
		Fence Board	1000	157.81	44.76	
		Inter Post	1000	123.82	125.09	
		Corner Post	1000	124.55	125.31	
		End Post	1000	124.35	125.07	
		Top Rail	1000	45.23	44.64	
		Top Capping Rail	1000	139.6	24.83	
		Top Cap	140.2	140.1	24.62	
Linear Mass	EN15534-1:2014, 6.6.2	Item	Linear Mass (g/m)			
		Fence Board	3081			
		Inter Post	3052			
		Corner Post	6271			
		End Post	6110			
		Top Raol	1309			
		Top Capping Rail	4232			
		Top Cap	556g/pcs			
Flexural	EN15534-1:2014, 7.3.2	Test Method	Condition	Test Result		
		Test Span: 600mm	Galvanised Steel Insert & Fence Post Base		Max. Pressure(N): >20000	(out of test range)
		Test Span: 500mm	Aluminium bottom rail		Max. Pressure(N): >6752 Displacement(mm): 17.2	
		Test Span 400mm	Fence Board		Max. Pressure(N): >8395 Displacement(mm): 10.77 Bending Modulus (MPa): 1237 Bending Strength(M-Pa): 15.8	
Resistance to Artifical Weathering	EN 15534		Charcoal	Graphite	Walnut	
		ΔE *=1	0.92	Not tested	1.3	
		ΔL*:	0.1	Not tested	1.15	
		Δa*	-0.05	Not tested	0.34	
		Δb*:	-0.92	Not tested	.51	
Moisture Under Cyclic Test Conditions	EN15534	Max. Pressure(N): >8395; Displacement (mm) 11.13; Bending modulus (MPa): 13.1; Decrease of bending modulus: 8.2%; Decrease of bending strength: 6.3%; Water absorption: 0.48%; Length Change: 0.08%; Width change: 0.18%; Thickness change: 0.2%				

Property	Test Method	Test Result	Notes
Reaction ro Fire	EN13501-1:2018	D-S_3-d0	
Wind Resistance Test	N/A The fencing system shall resist a maximum wind pressure of 520 Pa (as 10 Beaufort scale or 10 wind level)	There was no faillure, nor any evidence of disengagement of any component, nor visible cracks in any component	Pass
Acoustic Performance	ISO: 10140-2:2010	Rating according to ISO 717-1:2013 Weight Sound Reduction index Rw(C;Ctr)= -28dB	See Graph Below



Frequency (Hz)	Sound Reduction Index, Ri (dB)
100	22.2
125	25.4
160	25.6
200	26.9
250	26.6
315	25.1
400	26.9
500	28.1
630	27.8
800	28.5
1000	28.2
1250	29.1
1600	29.6
2000	29.3
2500	27.7
3150	24.1
4000	27.9
5000	31.5

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OUTDOOR ARCHITECTURAL MATERIALS

Higher Broadfield Farm,
Off Pilsworth Road,
Greater Manchester, OL10 2TA

www.ecoscape.co.uk
01706 364 637
sales@ecoscape.co.uk