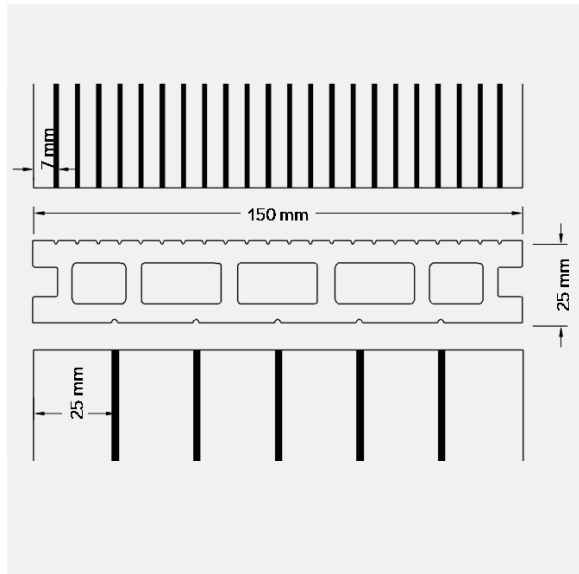


Clarity composite decking is a beautiful low maintenance alternative to timber with no need to paint, stain or seal. This 95% recycled board brings all of the benefits of a synthetic product without any of the nasty plastic associated drawbacks. The unique contemporary grooved finish generates clean lines and is the perfect accompaniment to any outdoor project. The purposefully designed surface texture of the boards generate an exceptional anti-slip rating making it an ideal surface for those with a safety conscious mind. The Clarity range of composite decking is available in 5 colours and has a reversible finish



Clarity Decking

Length (mm)	3000 / 4800
Width (mm)	150
Height (mm)	25
Weight (p/lm)	2.77kg
Material	Wood Plastic Composite
Finishes	1/4" (6mm) Groove / 1" (25mm) Groove



Ash

Autumn

Charcoal

Graphite

Walnut



Length

3.0m	ECO05BAS
4.8m	ECO05CAS

ECO05BAT
ECO05CAT

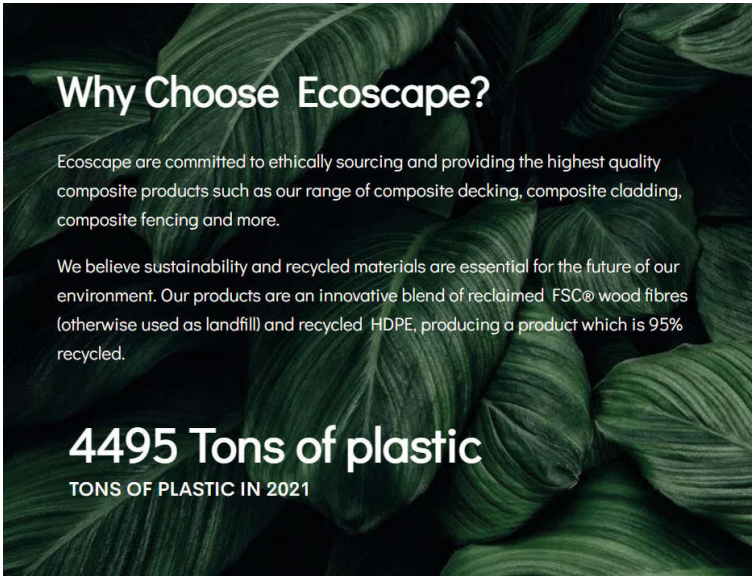
ECO05BAC
ECO05CAC

ECO05BAG
ECO05CAG

ECO05BAW
ECO05CAW

Clarity Decking Benefits

The Clarity range is our entry level specification. But that doesn't mean that it's low quality: it's 95% recycled, and doesn't need to be painted, stained or sealed. Each board is reversible, with one side displaying narrow grooves and the other wider grooves, for a choice of installation options. Our Clarity decking boards offers our best-performing low slip potential decking board - with excellent results in both wet and dry conditions.

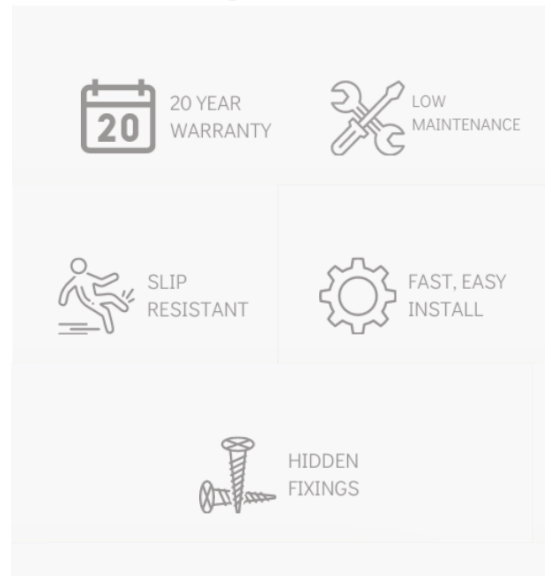


Why Choose Ecoscape?

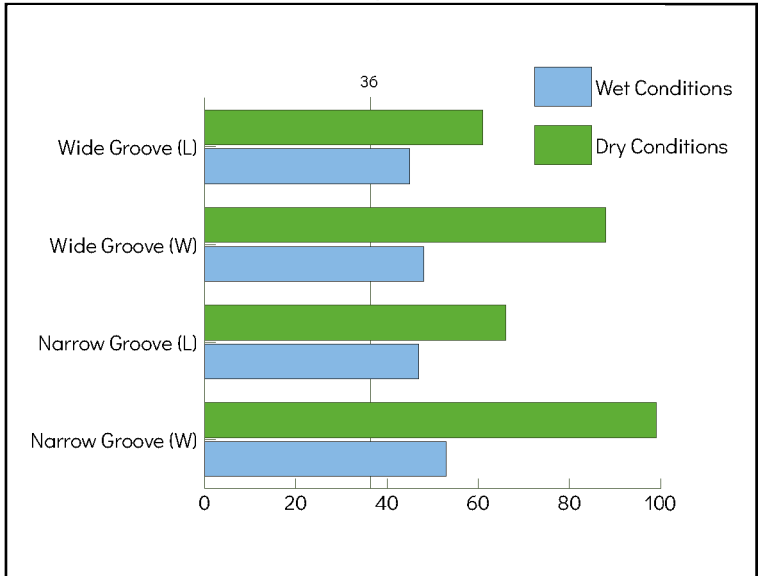
Ecoscape are committed to ethically sourcing and providing the highest quality composite products such as our range of composite decking, composite cladding, composite fencing and more.

We believe sustainability and recycled materials are essential for the future of our environment. Our products are an innovative blend of reclaimed FSC® wood fibres (otherwise used as landfill) and recycled HDPE, producing a product which is 95% recycled.

4495 Tons of plastic
TONS OF PLASTIC IN 2021



- 20 YEAR WARRANTY
- LOW MAINTENANCE
- SLIP RESISTANT
- FAST, EASY INSTALL
- HIDDEN FIXINGS



Sustainable Choice

Ecoscape UK Wood Plastic Composite products are made from recycled plastic and wood fibre. Choosing Ecoscape UK ensures this waste material is diverted from landfill, and given a second life.

Great Composite Benefits

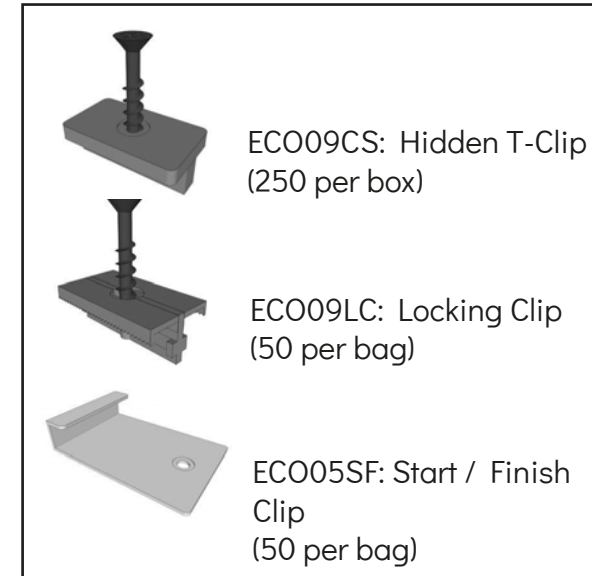
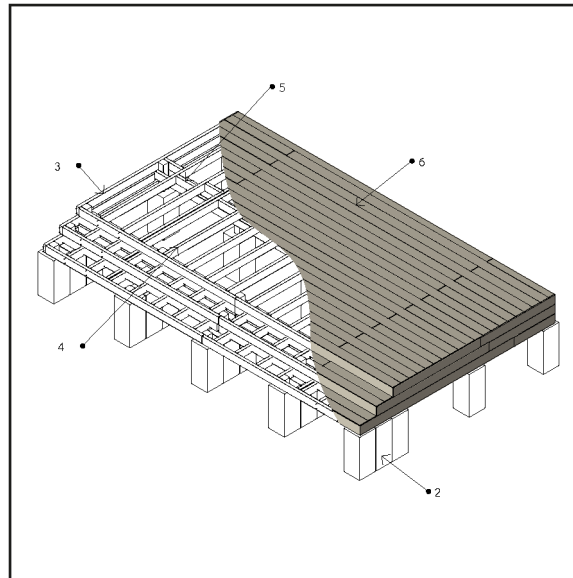
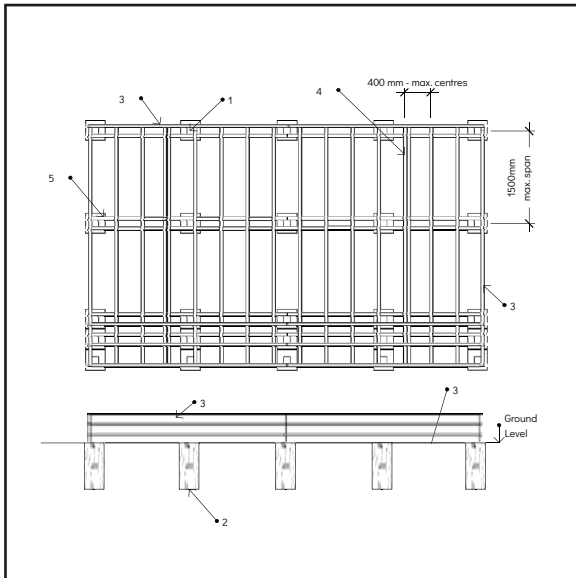
Not only easy to install, with our hidden clip system, Ecoscape UK composite decking is practical: with low maintenance, and slip resistant properties & with our long warranties, will be sure to look good for years to come.

Pendulum Test

The slip test method results above show that Ecoscape UK Clarity decking boards far exceed the required PTV value of 36 required to be classified as low slip potential, when tested in both wet and dry conditions, across the width of the board (W) and along the length of a board (L).

Working Specification - Decking Systems

Drawings below show a typical substructure detail for Ecoscape UK Composite decking (shown here with Ecoscape UK Plastic Joist Substructure).



Ecoscape UK Composite decking boards must be supported by joists placed at 400mm centres.

For further information, please see installation guides available on our website: www.ecoscapeuk.co.uk

- 1: 100 x 100mm Post (ECOPL100100)
- 2: Concrete Post Foundation
- 3: Framing Joist (125 x 50mm Plastic Joist (ECOPL12550))
- 4: Joist - 125 x 50mm Plastic Joist (ECOPL12550)
- 5: Noggin - at 1500mm max. centres along joist
- 6: Decking Boards

Ecoscape UK Clarity decking board should always be used with Ecoscape UK clip system to allow for thermal expansion, with our unique Locking Clip used to keep boards held in place for years to come.

Specification Table

Property	Test Method	Test Result	Notes
Abrasion Resistance	ASTM D4060-10	33mg (1000 cycles)	
Brinell Hardness	EN15534	Brinell hardness: 55.25N/mm ² Rate of elastic recovery: 74.4%	Test method: Clause 7.5 of EN 15534-1:2014+A1:2017 Specimen: 100x150x25mm Diameter of indenter: 10mm Test speed: 66N/s Final load: 2000N Maintaining time: 25s
Boiling Test	EN15534	1.1% Water Absorption by weight	
Bond Strength	EN319	Average Bond Strength > 2.3MPa No obvious abrasion after Test	
Coeff. of Linear Thermal Expansion	EN15534	34.7x10 ⁻⁶ K ⁻¹	Test method: ASTM D696 Specimen: 78x10x10mm Temperature range: -30°C to 30°C
Creep Behaviour (known span in use)	EN15534	ΔS: 0.99mm (mean); ΔS: 0.99mm (max. individual value); ΔSr: 0.53mm	Requirements of EN 15534-4:2014: ΔS ≤ 10 mm for arithmetic mean value ΔS ≤ 13 mm for individual values ΔSr ≤ 5 mm for arithmetic mean value
Content of Pentachlorophenol	CE (EN 14041 (2004)	2.99ppm	
Creep Recovery	ASTM D7032	Creep recovery after 24h: 93%	
Degree of Chalking	EN15534	Rating 0, no chalking	
Electrostatic Behaviour	EN1815	Body-Voltage: 1.1kV	Can be classified as anti-static
Fire Resistance	Standard Option	FR-Rated Option	
	BS476-7	Class 2	
	EN13501, EN ISO9239-1, EN ISO11925-2	C ₁ -S 1	For more information, please contact Ecoscape specifications team
	GB8624, GB11785, GB8626, GB20286	GB8624B1 (B-S1, T1)	
	ASTM E84	FSt: 85, SDI: 300	
Falling Mass Impact Resistance	EN 15534	Max. crack length (mm): no crack Max. Residual Indentation (mm): 0.40	Requirements of EN 15534-4:2014 Hollow profiles: None of 10 test specimens shall show a failure with a crack length ≥ 10 mm or a depth of residual indentation ≥ 0.5 mm.
Formaldehyde Content	EN717 ASTM D6007-14	Non Detected	
Flexural Properties	EN 15534	Pass: Bending Strength: 26.93MPa; MOE: 4.26GPa; Max. Load: 4029N; Deflection at 500N: 0.57mm	Requirements of EN 15534-4:2014 F _{max} ≥ 3300 N (arithmetic mean value) F _{max} ≥ 3000 N (individual values) Deflection under a load of 500N ≤ 2.0 mm (arithmetic mean value) Deflection under a load of 500N ≤ 2.5 mm (individual values)
Heat Build-up	EN 15534	Average temperature rise for specimen: 43.2°C Predicted heat build-up: 43.2°C	
Impact Resistance	ASTM D4226	MFE>396J	
Lead Content Test	EUNo.628/2015	Non Detectable	
Mould Resistance	ASTM G21	Rating: 0	
Moisture Content	EN 15534, EN322	0.56%	
Moisture Under Cyclic Test Conditions	EN15534	Ave. bending strength: 24.71MPa Ave. MOE: 3610MPa Mean of decrease of bending strength: 8.24% Maximum individual decrease of bending strength: 10.58%	Pass - Requirements of EN 15534-4:2014: 1) Mean of decrease of bending strength ≤ 20 % 2) Individual decrease of bending strength ≤ 30 %
Neutral Salt Spray Test	ASTM B117-2011 EN 15534 ISO9227	Front Surface ΔE * = 1.22, grey scale: 4-5. Back Surface ΔE * = 1.06, grey scale: 4-5. ΔE * = 1.42, grey scale: 4 (exposure 96h)	After 200 hour test, there was no visible change appeared on the Surface:
pb, cd, hg, cr ²⁺	RoHS-IEC62321	pb, cd, hg, cr ²⁺ : Non Detectable	
Resistance to Scratch	ISO4586-2		Rate 2
Resistance to Indentation	EN 15534	Apply 2000N load Brinell hardness: 55.25MPa; Rate of Elastic recovery: 74.4%	
Resistance to Artificial Weathering	EN 15534 ISO4892-2	ΔL*: 5.12 Δa*: 3.7 Δb*: 0.08	Filter: daylight filter Exposure period: 102min dry and 18min water spray Irradiance: 0.51W/(m ² .340nm) Duration: 300 hours
Slip Resistance	EN15534 Pendulum Test	Dry Conditions: Wide Groove: 61(L)/88(W) // Narrow Groove: 66(L)/99(W) Wet Conditions: Wide Groove: 45(L)/48(W) // Narrow Groove: 47(L)/53(W) *LI denotes slip test along length of the board, & (W) denotes slip test across board width	
Swelling & Water Absorption (24 hours submersion)	EN 15534	Average Swelling: 1.34% (Thickness); 0.38% (Width); 0.15% (Length) Water Absorption: 5.31%	Pass
Moisture Resistance - Boiling test	EN 15534	Water Absorption: Average Value: 2.751% Max. value: 2.84%	Pass
SRI Testing	ASTM C1549, ASTM C1371, ASTM E1980		19
Surface Bond Quality	EN319		≥2.08MPa
Thermal Resistance	ASTM C518-2010		Thermal Conductivity: 0.3589W/(m.k) Thermal Resistance: 0.0830m ² .k/W
Thermal Conductivity	CE (EN 14041 (2004)		0.19738W/(m.k)
UV Weathering Test	ASTM G154		After 3000 hour test: ΔE* = 3.56, grey scale 3
Uplift Resistance	ICC-ES AC174, ASTM E330		Average Ultimate Load ≥ 427 psf
VOC & TVOC	ASTM D5116-11		Non detectable