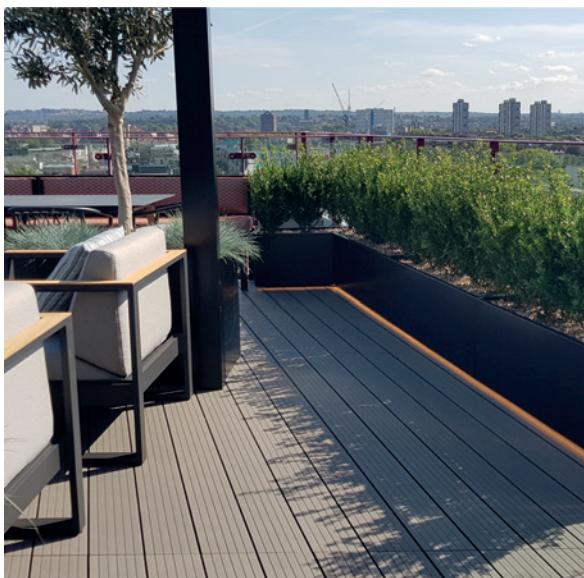
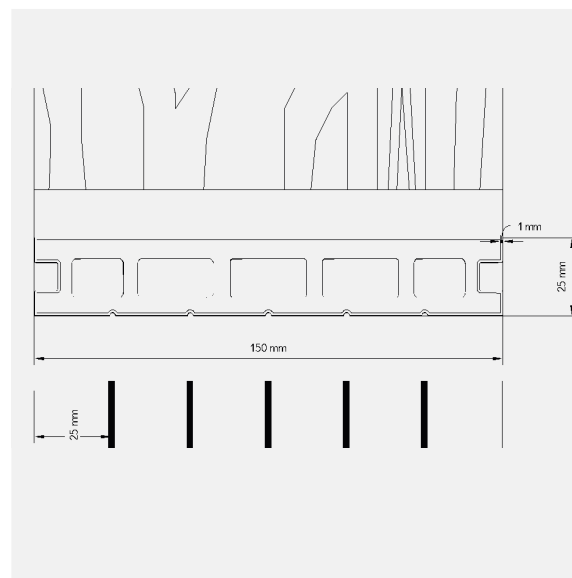


Forma boards are made up of 95% recycled material (55% of which is reclaimed wood fibres and 45% recycled plastic) and uses advanced co-extrusion technology which generates an externally durable outer layer, so the board has a dual surface finish with a wood grain on one side and wide groove pattern on the reverse. The process mixes the board colours uniquely resulting in no two boards being the same. This unique process creates boards mimicking beautiful non-uniformity of natural timber.



## Forma Decking

Length (mm)	3000 / 4800
Width (mm)	150
Height (mm)	25
Weight (p/lm)	2.97kg
Material	Wood Plastic Composite
Finishes	1/4" (6mm) Groove / Woodgrain effect



Midnight

Argent

Flint

Silver Birch

Spiced Oak

Havana



Length

3.0m ECO16MD30  
4.8m ECO16MD48

ECO16AR30  
ECO16AR48

ECO16FL30  
ECO16FL48

ECO16SB30  
ECO16SB48

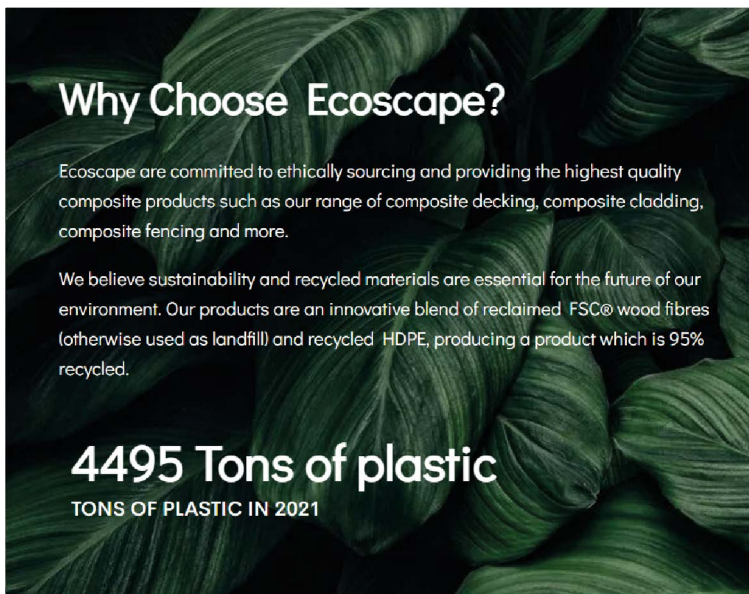
ECO16SO30  
ECO16SO48

ECO16HA30  
ECO16HA48

## Forma Decking Benefits

Ecoscape UK Forma decking has all the benefits of an uncapped composite board and the additional benefits of a board with HDPE capping. This results in a decking board that is more hardwearing, stain-resistant, and resistant to colour fading.

We are so confident in the quality of our board that we offer an industry-leading 25 year warranty.



### 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

### Sustainable Choice

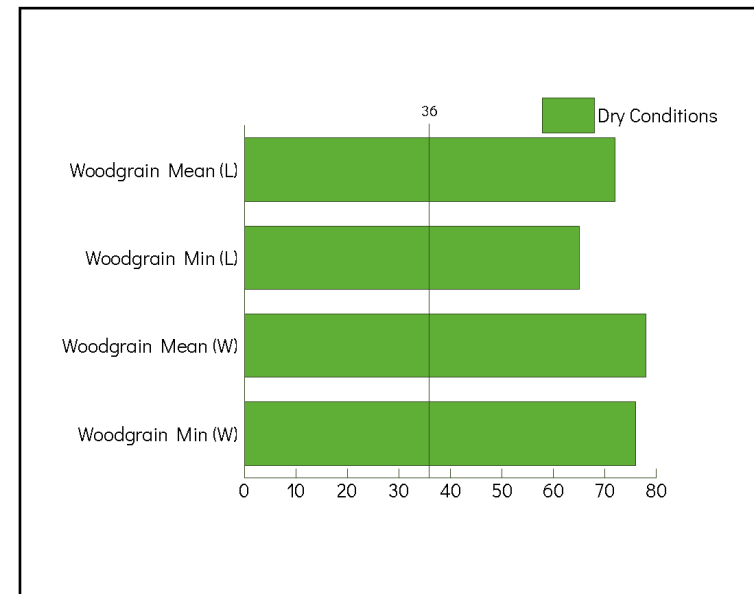
Ecoscape UK Wood Plastic Composite products are made from recycled plastic and wood fibre. Choosing Ecoscape UK ensures this waste material is diverted from landfill, and given a second life.



- 25 YEAR WARRANTY
- LOW MAINTENANCE
- SLIP RESISTANT
- FAST, EASY INSTALL
- UV STABLE
- HIDDEN FIXINGS

### 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.

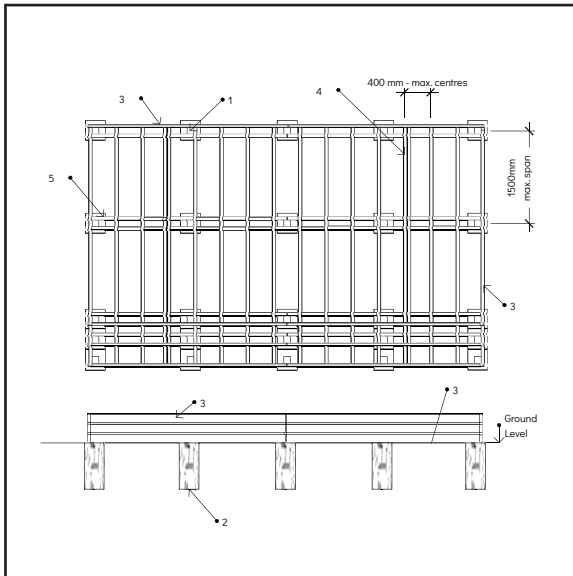


### Pendulum Test

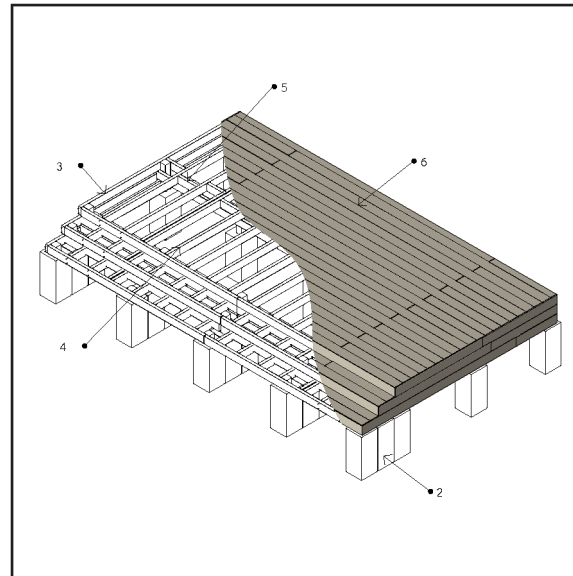
The slip test method results above show that Ecoscape UK Clarity decking boards far exceed the required PTV value of 36 required to be classified as low slip potential, when tested in both wet and dry conditions, across the width of the board (W) and along the length of a board (L).

## Working Specification - Decking Systems

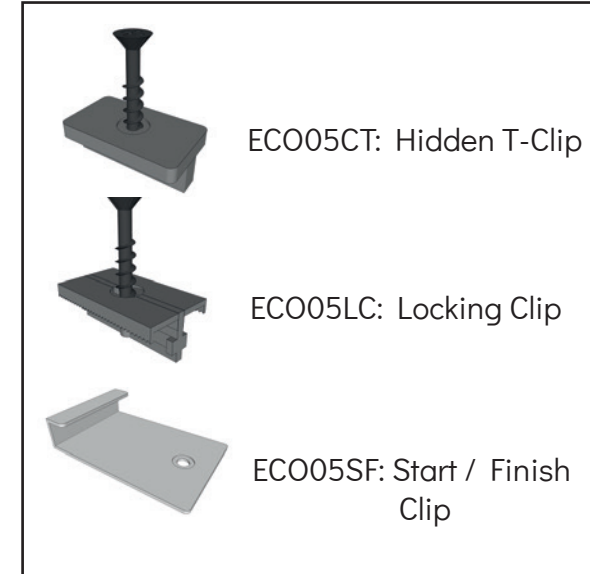
Drawings below show a typical substructure detail for Ecoscape UK Composite decking (shown here with Ecoscape UK Plastic Joist Substructure).



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



- 1: 100 x 100mm Post (ECOPL100100)
- 2: Concrete Post Foundation
- 3: Framing Joist (25 x 50mm Plastic Joist (ECOPL125050))
- 4: Joist - 125 x 50mm Plastic Joist (ECOPL125050)



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	Test Requirements	Verdict
Appearance	EN 15534-1:2014 Section 6.1 EN 15534-4:2014 Section 4.3	Test specimens were no crack, no blister and other visible defects.		
Slipperiness (Pendulum Test)	EN 15534-1:2014 Section 6.4.2 CEN/TS 15676:2007 EN 15534-4:2014 Section 4.4	Longitudinal Direction: Mean: 72 Min.: 65  Horizontal Direction: Mean: 78 Min: 76	Pendulum value ≥ 36	Pass
Linear Mass	EN 15534-1:2014 Section 6.5 EN 15534-4:2014 Section 4.4	Mean: 2850 g/m Max.: 2855 g/m Min.: 2846 g/m	Individual values ≥ 95% declared value by the manufacturer.	N/A
Dimensions	EN 15534-1:2014 Section 6.6 EN 15534-4:2014 Section 4.4	Mean Thickness: 25.17 mm Mean Width: 150.37 mm Mean Length: 1001 mm Max. Deviation flatwise straightness: 0.10 mm Max. Deviation edgewise straightness: 0.06 mm Max. Cupping: 1.65 mm		
Falling mass impact resistance	EN 15534-1:2014 Annex A EN 15534-4:2014 Section 4.5.1	Type Hollow profile Max. Crack length (mm): No crack  Max. Residual Indentation (mm): 0.11	None of 10 test specimens shall show a failure with a crack length ≥ 10 mm or a depth of residual indentation ≥ 0.5 mm.	Pass
Flexural properties	EN 15534-1:2014 Annex A EN 15534-4:2014 Section 4.5.2	Bending Strength: 21.0 MPa Modulus of Elasticity: 2902 MPa  Maximum Load: Mean: 3328 N Min.: 3244 N  Deflection at 500 N: Mean: 1.34 mm Max: 1.52 mm	Flexural properties -F <sub>max</sub> : Mean ≥ 3300 N Min. ≥ 3000 N -Deflection under a load of 500 N Mean ≤ 2.0 mm Max. ≤ 2.5 mm	Pass
Creep behaviour	EN 15534-1:2014 Section 7.4.1 EN 15534-4:2014 Section 4.5.3	Span: 400 mm Mean ΔS: 2.97 mm Max. ΔS: 3.03 mm Mean ΔSr: 1.81 mm	Known span in use Mean ΔS ≤ 10 mm Max. ΔS ≤ 13 mm Mean ΔSr ≤ 5 mm	Pass
Resistance to artificial weathering	EN 15534-1:2014 Section 8.1 EN 15534-4:2014 Section 4.5.5 ISO 4892-2: 2013, cycle 1	After 2000h exposure:  ΔL* = 5.59, Δa* = -0.82, Δb* = -0.67 ΔE* = 5.70  Grey scale = 2-3	ΔL*, Δa* and Δb* shall be declared	N/A
Swelling and water absorption (28 days immersion)	EN 15534-1:2014 Section 8.3.1 EN 15534-4:2014 Section 4.5.5	Mean Swelling: 0.78% in thickness ; 0.35% in width; 0.27% length Max. Swelling: 0.97% in thickness; 0.45% in width; 0.29% in length Water Absorption Mean: 3.25% Max.: 3.38%	Mean Swelling: ≤ 4% in thickness ; ≤ 0.8% in width; ≤ 0.4% length Max. Swelling: ≤ 5% in thickness; ≤ 1.2% in width; ≤ 0.4% in length Water Absorption Mean: ≤ 7% Max.: ≤ 9%	Pass

Moisture resistance under cyclic test conditions	EN 15534-1:2014 Section 8.3.2 EN 15534-4:2014 Section 4.5.5	Original MOR: 21.0 MPa After exposure, Mean MOR: 19.8 MPa Decrease: 5.7 % Min MOR: 19.3 MPa Decrease: 8.1 %	Decrease of bending strength, Mean ≤ 20 % Max. ≤ 30 %	Pass
Boiling Test	EN 15534-1:2014 Section 8.3.3 EN 15534-4:2014 Section 4.5.5	Water absorption in weight: Mean: 1.56 % Max.: 1.86 %	Water Absorption in weight:  Mean ≤ 7 % Max. ≤ 9 %	Pass
Linear thermal expansion coefficient	EN 15534-1:2014 Section 9.2 EN 15534-4:2014 Section 4.5.6 ISO 11359-2:1999	Mean:  Longitudinal direction: 46.0 × 10 <sup>-6</sup> K <sup>-1</sup>	≤ 50 × 10 <sup>-6</sup> K <sup>-1</sup>	N/A
Heat Reversion	EN 15534-1:2014 Section 9.3 EN 15534-4:2014 Section 4.5.7 EN 479:2018	Test Temperature: 100°C  Mean: 0.06 %		
Heat build-up	EN 15534-1:2014 Section 9.4 EN 15534-4:2014 Section 4.5.7	Set temperature rise for use in horizontal position: 50 °C Actual temperature rise for black control specimen: 50.0 °C Temperature of test specimen: 46.8 °C Predicted heat build-up ΔT: -3.2-3°C	Indenter: a hardened steel spherical body with diameter of 10 mm Test load: Additional load of 2000N with pre-load of 20N Indentation time: (25 ± 5) s Recovery time: at least 24h	
Resistance to indentation	EN 15534-1:2014 Section 7.5 EN 15534-4:2014 Section 4.5.7	Brinell hardness: 69 MPa Rate of elastic recovery: 53 %		
Neutral salt spray test	EN 15534-1:2014 Section 8.6 ISO 9227:2017 EN 15534-4:2014 Section 4.5.7	After 300h exposure:  ΔL* = -0.49, Δa* = 0.29, Δb* = .56 ΔE* = 0.93  Grey scale = 4-5	Known span in use Mean ΔS ≤ 10 mm Max. ΔS ≤ 13 mm Mean ΔSr ≤ 5 mm	Pass
Fire Resistance	EN 13501-1:2018	Standard Option  Classification: C <sub>s</sub> S 1		