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Linea Composite Decking

Linea features a unique dual-sided design. One side offering a traditional groove, creating a distinctive staggered pattern, whilst the other side showcases an authentic straight grain, lending a more contemporary and streamlined appeal.

Available in 4 new on-trend colours, providing something to suit almost any garden design. A range of matching accessories and trims are also available.







DETAILS

Length: 3600mm / 4800mm

Width: 140mm

Thickness: 23mm

Weight: 2.31kg p/lm

Material: Wood plastic composite

Finishes: Traditional groove on one side, straight grain on the other.



Specification Guide



Linea Composite Decking Benefits

With a low price point but certainly not low in benefits, Linea decking has a capped exterior protecting it from harmful UV rays, scratches and extreme weather. Linea is long lasting, low maintenance and sustainably produced using 95% recycled materials. It's also easy to install with our hidden T-Clip system.







Sustainable Choice

As with Ecoscape's other collections, Linea is sustainably produced using 95% recycled materials and is FSC certified, as we believe that sustainable and recycled materials are essential for the future of our environment. It is for this reason that Ecoscape is committed to ethically producing all of our products with a high percentage of materials that would have otherwise ended up in a landfill.



Pendulum Test Value

The slip test method results on the left show that the straight grain side on Linea composite decking boards far exceed the required PTV of 36 required to be classified as low slip potential, when tested in dry conditions, across the width of the board (W) and along the length of a board (L).



Working Specification - Decking Systems

The drawings below show a typical substructure detail for Ecoscape UK Composite decking, shown with Ecoscape's Plastic Joist Substructure. Please note, Linea composite decking boards must be supported by joists placed at 350mm centres.



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

Linea composite decking boards should always be used with Ecoscape's clip system to allow for thermal expansion, with our unique Locking Clip used to keep boards held in place for years to come.

For further information, please see Ecoscape's Composite Decking Installation Guide on www.ecoscape.co.uk



Specification Guide

Property	Test Method	<u>Test Result</u>		Notes	Property	Test Method	<u>Test Result</u>		<u>Notes</u>
Appearance	EN 15534	There was no visible colour difference or cracks on surface of specimens when compared with the control sample.			Flexural Properties	EN 15534	Mean value: Fmax= 3424 N Deflection under 500N= 0,74 mm Bending strength= 20,1 MPa Modulus of elasticity= 2510 MPa Max. value: Deflection under 500N= 0,77 mm Min. value: Fmax= 3258 N	F'max >= 3300 N (arithmetic mean value) F'max >= 3000 N (individual values) Deflection under a load of 500 N <= 2.0 mm (arithmetic mean value) Deflection under a load of 500 N <= 2.5 mm (individual values)	
Linear Mass	EN 15534	Mean value: 2309 g/m; Max. value: 2317 g/m; Min. value: 2303 g/m No declared value		The linear mass and tolerances shall be declared by the manufacturer.					
		submitted by the manufacturer.			Resistance to artificial	EN 15534	Sample 1: $\Delta L^*=0,10; \Delta a^*=0,11$ $\Delta b^*=-0,03; \Delta E^*=0,15$ Grey scale: 4–5 Sample 2: $\Delta L^*=-0,24; \Delta a^*=0,06$ $\Delta b^*=-0,01; \Delta E^*=0,25$ Grey scale: 4–5 It did not show obvious change on the test surface.	ΔL*, Δa*, Δb* shall be declared	
Dimensional Characteristic	EN 15534	Mean value: 1050 mm in length 139,88 mm in width 23,06 mm in thickness Max. value: 1050 mm in length 140,05 mm in width 23,13 mm in thickness 0,26 mm in deviation from straightness 0,38 mm in curpting		The relevant dimensional values and their tolerances shall be declared by the manufacturer.	weathering				
					Slip Resistance	PVT BS 7976- 2:2002			
Fire Resistance		Standard Option				(TRL / Slider 55)	Length Direction: 93 Width Direction: 114	Pendulum value >= 36	Pass
	EN13501, EN ISO9239-1, EN ISO11925-2	Dfl-S1				Clause 6.4.3 EN-11534-1	Angle of inclination Length Direction=26° (Class: C) Width Direction=28°(Class: C)	Class C (>24°)	Pass
Falling Mass Impact Resistance	EN 15534	None of 10 test specimens showed a crack. Maximum depth of residual indentation: 0,20mm	Hollow profiles: None of 10 test specimens shall show a failure with a crack length \ge 10 mm or a depth of residual indentation \ge 0,5 mm. In case of one failure, 10 additional test specimens shall be tested and no failure with a crack length \ge 10 mm or a depth of residual indentation \ge 0,5 mm shall occur. 1. Radius of hemispherical striker: 25mm 2. Mass of hemispherical striker: 1kg 3. Falling height: 700mm 4. Support span: 200mm		Swelling & Water Absorption (24 hours submersion)	EN 15534	Mean value: 0,04% in length 0,02% in width 0,26% in thickness 1,09% in weight Maximum value: 0,07% in length 0,05% in width 0,44% in thickness 1,31% in weight	 Means swelling: 4% in thickness, 0.8% in width, 0.4% in length, 1ndividual swelling: 5% in thickness 1,2% in width 0,6% in length 3) Mean water absorption 7% in weight 4) Individual water absorption ≤ 9% in weight% 	Pass



Specification Guide

Property	Test Method	Test Result		Notes	Property	Test Method	Test Result		<u>Notes</u>
Swelling & Water Absorption (28 days submersion)	EN 15534	Mean value: 0,2% in length 0,1% in width 2,6% in thickness 5,0% in weight Maximum value: 0,3% in length 0,2% in width 2,7% in thickness 5,5% in weight	 Means swelling: 4% in thickness, 0,8% in width, 0,4% in length, Individual swelling: 5% in thickness 1,2% in width 0,6% in length Mean water absorption 7% in weight Individual water absorption ≤ 9% in weight 	Pass	Resistance to salt spray	EN 15534, ISO 9227	Sample 1: $\Delta L^*=-0.37$; $\Delta a^*=0.04$; $\Delta b^*=0.23$; $\Delta E^*=0.44$ Grey scale: 4–5 Sample 2: $\Delta L^*=-0.59$; $\Delta a^*=0.14$; $\Delta b^*=0.13$; $\Delta E^*=0.62$ Grey scale: 4–5 Sample 3: $\Delta L^*=-0.45$; $\Delta a^*=0.12$; $\Delta b^*=0.12$; $\Delta E^*=0.48$ Grey scale: 4–5 All sample did not show obvious change on the test surface.		
Moisture resistance under cyclic conditions	EN 15534	Original bending strength= 20,1 MPa After cyclic test: Mean value of bending strength= 19,9 MPa Change of bending strength= -1% (Decrease) Min. value of bending strength: 19,2 MPa Change of bending stength= -4.5% (Decrease)	1) Mean of decrease of bending strength <= 20 % 2) Individual decrease of bending strength <= 30 %	Pass					Heating
				-	Heat reversion	EN 15554	reversion R= 0,01%		temperature and period: 100°C, 60min
Moisture resistance – Boiling test	EN 15334	Mean value: 0,03 % in length 0,03 % in width 0,22 % in thickness 2,8 % in weight Maximum value: 0,05 % in length 0,05 % in width 0,26 % in thickness	I. Mean value of water absorption ≤ 7 % in weight 2. Individual values of water absorption ≤ 9 % in weight	Pass	Heat build-up (applicable to products)	EN 15534	Average temperature rise for the black control specimen: 50°C Average temperature rise for specimen: 48°C Predicted heat build-up: 48°C		
Resistance against discolouring micro-fungi*	EN 15334, IS 16869	3,3 % in weight The fungal growth rating: O			Linear thermal expansion*	EN 15534	Length direction: Mean value =39*10-6K -1 ; Max. value= 42*10-6K -1 ;	Requirement: <= 50010-6 K-1	Pass
					Installation Span	Manufacturer's Specification		350mm on centre	



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