

TECHNICAL SPECIFICATION

Ecoscape UK Forma[®] Composite Slatted Cladding Board

Tech Specs

Forma 3600mm

Colour



Spiced Oak, Silver Birch, Midnight

Finish

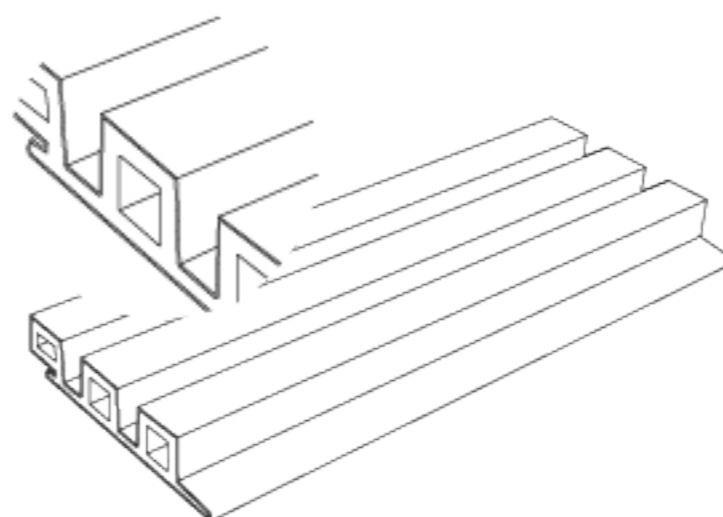
Single Sided

3 x 25mm Slat, 3 x 13mm Gap
114mm Face Finish



Size & Weight

25mm
1 inch



Weight: 8 kg per length
2.76kg per m

150mm
6 inches

Property	Test Method	Test Results	Notes
Abrasion Resistance	ASTM D4060-10	33mg (1000 cycles)	
Brinell Hardness	EN15534	8.2N/mm ²	
Boiling Test	EN15534	Water absorption in weight: 1.1%	
Bond Strength	EN319	Average Bond strength > 2.3MPa No obvious abruption and damage after test	
Coefficient Linear Thermal Expansion	ASTM D696	38.9x10 ⁻⁸ mm/mmc	
	EN15534	32.2x10 ⁻⁶ K ⁻¹	
Creep Behaviour	EN15534	△S:4.70mm, △Sr:2.91mm	Span:400mm
Content of Pentachlorophenol	CE (EN14041(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 This floor covering can be classified as anti static	
Fire Resistance	BS476-7	Class 2	On Request please advise when speaking to seller
	EN13501-1, EN ISO9239-1, EN ISO11925-2	Reaction to fire classification B ^{fl} -S ¹	
	GB8624, GB11785 GB8626, GB20286	Reaction to fire classification GB8624B1(B-S1, T1)	
	ASTM E84	Flame Spread Index (FSI): 85 Smoke Developed Index (SDI): 300	
Falling Mass Impact Resistance	EN15634	Max Crack Length (mm): no crack Max Residual Indentation (mm): 0.14	
Formaldehyde Content	EN717-1	Non Detected	
	ASTM D6007-14	Non Detected	

Property	Test Method	Test Results	Notes
Flexural Properties	EN15534	Bending Strength: 26.2Mpa, Modulus of Elasticity: 3.10Gpa, Maximum Load 4537N Deflection at 500N; 0.88mm	Span:400mm
	ASTM D6109	MOR:24.8MPa, MOE:3495MPa	Span:400mm
Heavy Metal Content	EPA3052	Sb:ND, As:ND, Se:ND, Sn:ND	
Heat Reversion	EN15534 EN 479	Test temperature: 100c: 017%	
Heat Build-up	EN15534	$\Delta t = -2.7c$	
Impact Resistance	ASTM D4226	MFE>396J	
Lead Content Test	EUNo.628/2015	Non Dereactable	
Mould Resistance	ASTM G21	Rating: 0	
Moisture Content	EN15534, EN322	0.83%	
Moisture Resistance Under Cyclic Test Conditions	EN15534	Original MOR: 27.4mPA After exposure, MOR24.8Mpa, Decrease: 9.6%,	
Neutral Salt Spray Test	ASTM B117-2011	After 200 hour test, there was no visible change appeared on the surface: Front surface: $\Delta E^* = 1.22$, grey scale; 4-5 Back surface: $\Delta E^* = 1.06$ grey scale; 4-5	
	EN15534 ISO9227	$\Delta E^* = 1.42$, grey scale; 4 (Exposure 96h)	
pb, cd, hg, cr ⁵⁺	RoHs-IEC62321	pb:ND, cd:ND, hg:ND, cr ⁵⁺ :ND	
Resistance to Scratch Test	ISO4586-2	Rate 2	

Property	Test Method	Test Results	Notes
Resistance to Indentation	EN15534	Apply 2000N load Brinell hardness: 72Mpa, Rate of elastic recovery 65%	
Resistance to Artificial Weathering	EN15534 ISO4892-2	After 2000h exposure $\Delta E^* = 1.09$, grey scale=4-5	
Rockwell Hardness	ASTM D785	78.7R	
Slip Resistance	PVT BS 7676-2:2002 (Four S/Slider 96) (TRL/Slider 55)	Wide groove (dry) PVT 82, wood grain (dry) PVT 83, wide groove (wet) PTV 34, wood grain (wet) PTV 38	For commercial application 1 person in 10,000 requires a PTV of 34 for safety.
Swelling & Water Absorption (24 hours submersion)	EN15534	1 Swelling: 0.06% in thickness, 0.03% in width, 0.03% in length 2 Water absorption: 0.49%	
Swelling & Water Absorption (28 days submersion)	EN15534	1 Swelling: 0.78% in thickness, 0.07% in width, 0.12% in length 2 Water absorption: 1.66%	
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: 0.0830(m ² -k)/W	
Thermal Conductivity	CE (EN14041(2004))	0.19738W/(m-k)	
UV Weathering Test	ASTM G154	After 3000 hour test grey scale3, $\Delta E^* = 3.56$	
Uplift Resistance	ICC-ES AC174 ASTM E330	Average ultimate load ≥ 427 psf	
VOC & TVOC	ASTM D5116-11	Non Detectable	