



SYLVAN

COMPOSITE DECKING

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Composite Decking

WPC Decking Boards for Residential & Commercial Use



Anthracite



Silver



Coffee

BS EN 15534-4

Material strength

BS EN 13501-1

Fire safety

BS EN 16165 / 7976-2

Slip resistance

WHY COMPOSITE

Engineered to Perform, From Gardens to Commercial Schemes

Sylvan Composite Decking is a wood-polymer composite (WPC) board engineered for consistent performance outdoors — from gardens to commercial schemes. A blend of recycled HDPE, wood fibre and UV-stable additives resists rot, splintering and fading far better than timber, without the annual sanding, staining or oiling.

- 1 Waterproof core** Fully sealed profile resists water ingress and cyclic moisture damage.
- 2 Low maintenance** No sanding, staining or oiling — an occasional clean is all it needs.
- 3 High durability** Engineered to BS EN 15534 for long-term structural performance.
- 4 Easy installation** Concealed clip-fix system for a clean, screw-free deck surface.
- 5 Commercial grade available** Solid-core boards rated to 2550N maximum load — 68% higher than our hollow-core range.
- 6 Recycled content** Made using Grade A recycled HDPE and reclaimed wood fibre.

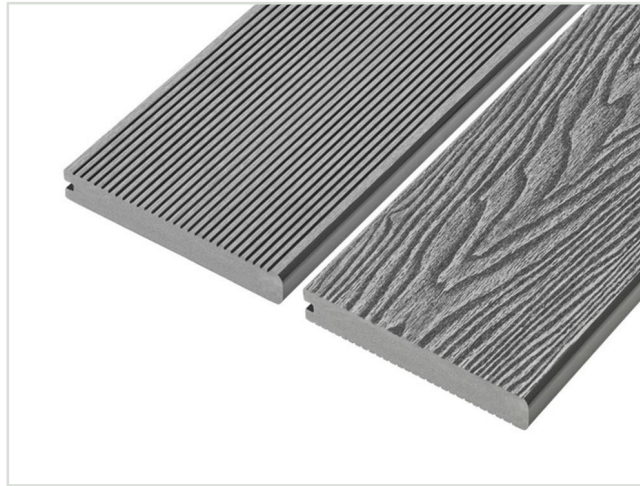


Three Colourways, Two Board Profiles

Every colour is available as a lightweight hollow-core board or a heavier-duty solid-core board — see page 4 for the difference.



 **Anthracite**



 **Silver**



 **Coffee**

3D wood-grain embossing is applied to every board for a natural timber texture and grip, with a co-extruded protective shield layer for added fade, stain and scratch resistance.

Residential or Commercial: Choose Your Build



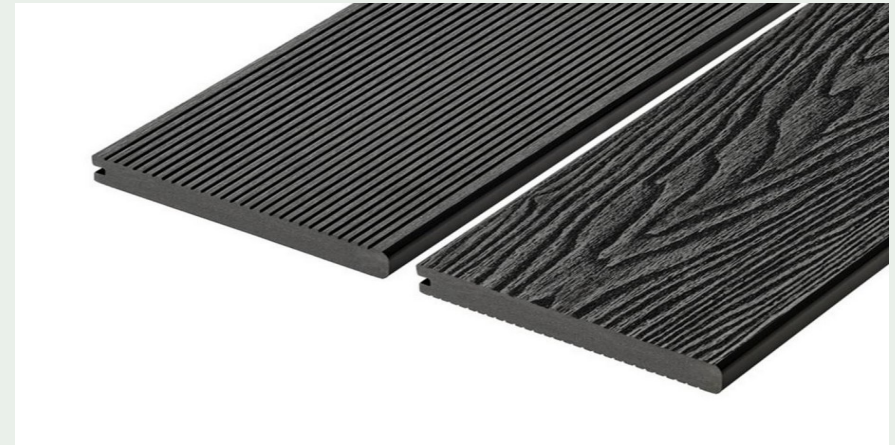
3D Embossed — Hollow Core

150 x 25 x 4000mm • 2.83 kg/m

1520 N

Maximum load — EN 15534-1

The lightweight, cost-effective choice for residential gardens, raised platforms and poolside areas.



Solid Core

COMMERCIAL GRADE

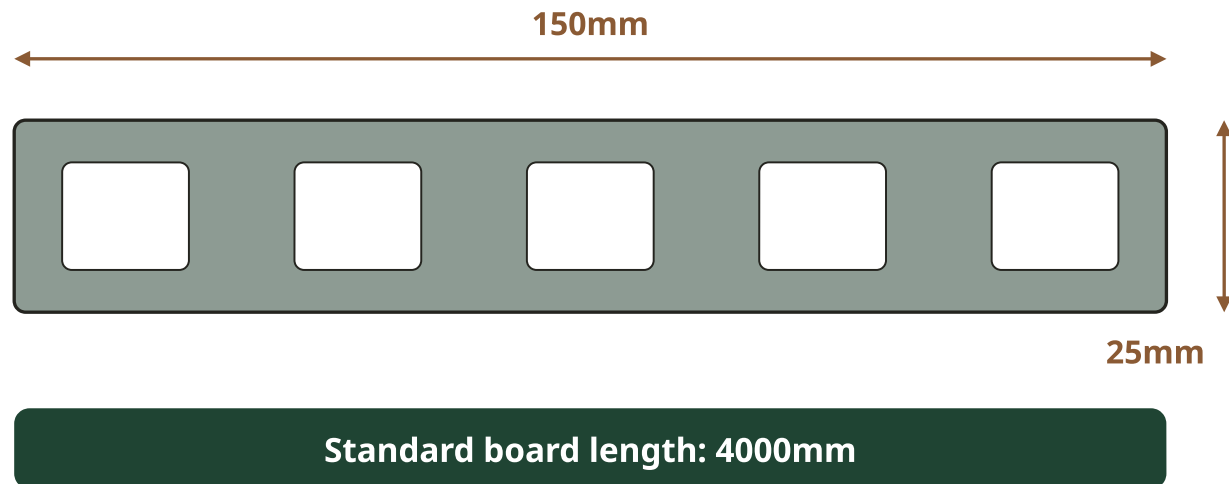
150 x 25 x 4000mm • 4.92 kg/m

2550 N

Maximum load — 68% higher than hollow-core

Our heavy-duty board for high-footfall commercial, retail and public realm schemes: a denser core built for longer joist spans and higher point-load resistance.

Board Dimensions & Profile

**150 x 25mm**

Board profile

4000mm

Standard length

2.83 / 4.92 kg/m

Weight (hollow / solid)

30 / 60 / 10

% recycled HDPE / wood / additives

Grooved fixing channel accepts hidden clip fixings on both edges — see page 8.

Performance Data — 3D Embossed (Hollow)

Composition: 30% HDPE (Grade A recycled), 60% wood fibre, 10% chemical additives (anti-UV agent, antioxidant, stabiliser, colorant, lubricant). **Weight per board:** 2.83 kg/m

Characteristic	Test method	Result
Density	ASTM D792-13, Method A	1.35 g/cm ³
Modulus of elasticity (MOE)	ASTM D7032-17	3880 MPa
Modulus of rupture (MOR)	ASTM D7032-17	33 MPa
Maximum load	EN 15534-1:2014+A1:2017	1520 N
Resistance to indentation	ASTM D4812-19	0.55
Moisture resistance (cyclic)	EN 15534-4:2014	Pass
Falling mass impact resistance	EN 15534-4:2014	Pass
Water absorption	ASTM D7031-11 (2019)	2.8%
Linear thermal expansion	ASTM D7031-11 (2019)	55 x 10 ⁻⁶ K ⁻¹
Reaction to fire	EN 13501-1	Bfl-s1
Slip resistance	ASTM D7032-17, Section 5.6	0.26 – 0.65

Slip resistance detail

Condition	Orientation	Value
Longitudinal	Dry	0.40
Sliding coefficient	Dry	0.26
Horizontal	Dry	0.43
Longitudinal	Wet	0.47
Sliding coefficient	Wet	0.57
Horizontal	Wet	0.65

Tested wet and dry, longitudinal and horizontal, per ASTM D7032-17 §5.6.

Performance Data — Solid Core

Composition: 30% HDPE (Grade A recycled), 60% wood fibre, 10% chemical additives (anti-UV agent, antioxidant, stabiliser, colorant, lubricant). **Weight per board:** 4.92 kg/m

68% higher maximum load than our hollow-core board — built for high-footfall commercial and public realm schemes.

Characteristic	Test method	Result
Density	ASTM D792-13, Method A	1.35 g/cm ³
Modulus of elasticity (MOE)	ASTM D7032-17	5880 MPa
Modulus of rupture (MOR)	ASTM D7032-17	42.3 MPa
Maximum load	EN 15534-1:2014+A1:2017	2550 N
Resistance to indentation	ASTM D4812-19	0.35
Moisture resistance (cyclic)	EN 15534-4:2014	Pass
Falling mass impact resistance	EN 15534-4:2014	Pass
Water absorption	ASTM D7031-11 (2019)	1.2%
Linear thermal expansion	ASTM D7031-11 (2019)	36.1 x 10 ⁻⁶ K ⁻¹
Reaction to fire	EN 13501-1	Bfl-s1
Slip resistance	ASTM D7032-17, Section 5.6	0.48 – 0.65

Slip resistance detail

Condition	Orientation	Value
Longitudinal	Dry	0.50
Sliding coefficient	Dry	0.48
Horizontal	Dry	0.48
Longitudinal	Wet	0.62
Sliding coefficient	Wet	0.60
Horizontal	Wet	0.65

Tested wet and dry, longitudinal and horizontal, per ASTM D7032-17 §5.6.

Fixings & Edging Solutions

A concealed clip-fix system keeps the deck surface free of visible screws, with matching trims to finish every edge.



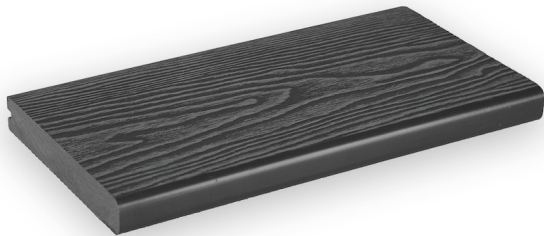
7mm Plastic Spacer



Stainless Steel Starter Clips



Locking Clips



Bull Nose Solid Rounded Finish Edge Board



**Angle Flush Edge Trim 50mm x 50mm —
6mm deep**



Butt Edge of Hollow Board End Cap



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Product Note: Natural Variation & Performance

All decking is manufactured and quality-tested to BS EN standards to ensure consistent performance and durability. A slight variation in colour or shade may occur between production batches, and a single delivery may contain boards from more than one batch. Prolonged sun exposure may cause gradual fading, and fluctuations in heat and moisture can result in minor movement. This is a normal characteristic of the material rather than a defect, and does not affect structural performance or lifespan when installed and maintained in line with the fitting guidelines.

Samples, technical data sheets and quotations available on request.

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