



Product Data & Specification Sheet

Composite Decking

1. Product Overview

GretaGrove Composite Decking is a durable, low maintenance wood plastic composite decking board for gardens, patios, and trade exterior projects. Manufactured from a blend of HDPE polymer and wood powder, the boards deliver the warmth and texture of timber decking without the annual sanding, staining, or sealing that timber requires, and will not rot, crack, warp, or splinter in normal external use. Boards are available in 2500 mm, 3600 mm, and 5000 mm lengths, with matching bullnose edge boards and decking edge seals to complete steps, borders, and exposed edges for a professionally finished deck.

2. Key Features

- Durable wood plastic composite construction with good surface hardness
- Waterproof and unaffected by rain, frost, and humidity in normal external service
- Will not rot, crack, warp, or splinter, and is resistant to termite and insect attack
- UV resistant with low ongoing maintenance and no annual treatment required
- Embossed textured surface for a natural timber appearance
- Three board lengths (2500 mm, 3600 mm, and 5000 mm) to suit different deck layouts and minimise joints and waste
- Matching bullnose boards and edge seals for steps, borders, and exposed edges
- Manufactured with recycled content, recyclable, and easy to install with low labour cost

3. Technical Specification

Material	Wood plastic composite: 32% HDPE, 58% wood powder, 10% functional additives
Board Lengths	2500 mm / 3600 mm / 5000 mm
Board Width	146 mm
Board Thickness	25 mm
Weight	Approximately 2.7 kg per linear metre: 6.8 kg (2500 mm), 9.7 kg (3600 mm), 13.5 kg (5000 mm) nominal per board
Boards per Carton	2
Accessories	Bullnose decking boards and decking edge seals in 2500 mm and 5000 mm lengths
Colour Availability	Embossed decors including Charcoal and Grey. Refer to the current GretaGrove range listing.

Surface	Embossed textured decorative face, no further decoration required
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4. Tested Performance

Tensile Strength	23.6 MPa
Flexural Properties	4706 N (requirement: minimum 2500 N)
Water Absorption	3.6% (requirement: maximum 10%); 1.47% on boiling test
Moisture Content	0.1% maximum
Average Density	1.35 g/cm ³
Linear Thermal Expansion	4.2 x 10 ⁻⁵ per K
Reaction to Fire	Class Bfl s1 to BS EN 13501 1, confirm against Fire Rating Certificate CZDG00568653

Performance values are taken from the manufacturer's technical data and relate to the product as tested; figures in brackets show the standard's requirement where stated.

5. Composition and Manufacture

Boards are manufactured by extrusion of a wood plastic composite blend of 32% HDPE polymer, 58% wood powder, and 10% functional additives, providing the warmth and texture of timber with the durability and dimensional consistency of a manufactured board. The material is environmentally responsible and recyclable at end of life. As with all wood composite products, a degree of natural colour variation between boards and gradual mellowing of colour during the first weeks of external exposure is a normal characteristic of the material and not a defect.

6. Applications

Suitable for garden decking, patios, terraces, balconies, corridors, walkways, pool surrounds, and other domestic and commercial external pedestrian areas. Boards must be supported on a suitable, correctly spaced substructure at all times and are not a structural or self spanning element. For applications involving vehicles, point loads, raised decks, or commercial foot traffic, the specifier should confirm suitability and substructure design before use.

7. Installation

Install onto a suitable, level, and adequately drained substructure of joists at the maximum centres stated in the GretaGrove Installation Guide, with reduced centres where boards are laid at an angle. Fix using the specified hidden clips or corrosion resistant fixings, maintaining the stated expansion gaps at board ends, board edges, and all abutments, as composite boards expand and contract with temperature (linear thermal expansion 4.2 x 10⁻⁵ per K). Ensure ventilation beneath the deck and clearance from standing water. Full requirements are set out in the GretaGrove Composite Decking Installation Guide, compliance with which is a condition of the product warranty.

8. Handling, Storage, and Packaging

Boards are supplied by the carton or banded pack. Store flat on a level base with supports at maximum 500 mm centres, protected from direct sunlight and moisture prior to installation. Carry boards on edge with two people for longer lengths, and do not drag boards across each other. Boards from different

production batches may vary slightly in colour; check batch numbers and mix boards from multiple packs across the deck for the most even overall appearance.

9. Warranty and Supporting Documents

This product is covered by the GretaGrove product warranty, subject to its terms and conditions. This sheet should be read alongside the GretaGrove Composite Decking Installation Guide, Product Warranty, and Fire Rating Certificate, all available from GretaGrove on request.

10. Important Information

The information in this sheet is provided in good faith and is correct at the date of issue. Values stated are typical, are based on manufacturer supplied technical data, and may be subject to normal manufacturing tolerances. Natural colour variation between boards, gradual weathering of colour in the first weeks of exposure, and minor differences between production batches are normal characteristics of wood composite products. GretaGrove reserves the right to amend the specification without notice as part of continuous product development. It is the responsibility of the specifier and installer to confirm the suitability of the product, including its fire classification, for the intended application and to ensure compliance with the Building Regulations.

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