



Product Data & Specification Sheet

Composite Slatwall

1. Product Overview

GretaGrove Composite Slatwall is a contemporary slatted wall board system for exterior feature walls, facades, and outdoor living projects. Manufactured by co extrusion, each 219.6 mm wide board combines a wood plastic composite core with a protective virgin polymer surface layer, presenting a modern slatted profile with the appearance of timber and none of its maintenance. The boards will not rot, warp, crack, or splinter in normal external use, and the co extruded shield delivers excellent resistance to moisture, UV exposure, and colour fade, keeping the slatted face looking sharp season after season. Boards are supported by matching trims and accessories for a complete finished installation.

2. Key Features

- Contemporary slatted profile for modern exterior feature walls and facades
- Co extruded protective surface layer shields the decorative face against moisture, staining, UV exposure, and colour fade
- Durable, weather resistant composite construction designed for long term external use
- Low maintenance, with no painting, staining, sealing, or annual treatment required
- Will not rot, crack, warp, or splinter, and is resistant to termite and insect attack
- Excellent colour stability, achieving grade 5 colour fastness under artificial weathering
- Wide 219.6 mm board format for fast coverage with a consistent slat rhythm
- Manufactured with recycled content, recyclable, and easy to install with low labour cost

3. Technical Specification

Material	Co extruded wood plastic composite: 50% wood flour, 30% recycled PE, 10% functional additives, 10% virgin PE protective surface layer
Board Length	5000 mm (additional lengths per current range listing)
Board Width	219.6 mm
Board Thickness	25 mm
Weight	Approximately 2.6 kg per linear metre: 13.1 kg (5000 mm) nominal per board
Boards per Carton	2
Surface Protection	180° co extruded protective outer layer across the exposed faces

Accessories	Matching trims and fixings per current GretaGrove range listing
Colour Availability	Cement Grey, Charcoal, Natural, Teak, Anthracite Grey, Teak with Black, and Chestnut with Black colour profiles. Refer to the current GretaGrove range listing.
Surface	Slatted decorative face, no further decoration required

4. Tested Performance

Tensile Strength	30.2 MPa
Flexural Properties	5495 N (requirement: minimum 2500 N)
Water Absorption	1.3% (requirement: maximum 10%)
Moisture Content	0.1% maximum
Average Density	1.27 g/cm ³
Linear Thermal Expansion	3.5 x 10 ⁻⁵ per K
Colour Fastness to Light	Grade 5 on artificial weathering (requirement: grey scale minimum 4)
Reaction to Fire	Class D s2, d0 to BS EN 13501 1, confirm against Fire Rating Certificate XMIN2510002476CM01_EN (WPC slatwall, 4 to 25 mm, mechanically fixed, tested 2025)

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 co extrusion, combining a wood plastic composite core of 50% wood flour, 30% recycled polyethylene, and 10% functional additives with a 10% virgin polyethylene surface layer extruded around the board for protection. The co extruded shield gives the board its enhanced resistance to moisture, staining, UV exposure, and colour fade, while the composite core provides the warmth and texture of timber with the durability and dimensional consistency of a manufactured board. The material is environmentally responsible, incorporating recycled content, and is 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 exterior feature walls, facades, garden walls, screens, gate and entrance features, balconies, outdoor living areas, and commercial exterior features, as well as matching internal feature walls. Fire safety regulations restrict the materials that may be used on the external walls of certain buildings, including buildings above 11 m in height and other relevant buildings; it is the responsibility of the specifier to confirm that the product's fire classification satisfies the Building Regulations and any project specific requirements before use. The boards are a decorative cladding and are not a structural, load bearing, or waterproofing element of the building envelope.

7. Installation

Install onto a supporting batten subframe fixed to the structure, with battens spaced, sized, and ventilated in accordance with the GretaGrove Installation Guide, maintaining a ventilated cavity behind the boards and clearance from ground level. Fix mechanically using the specified clips or corrosion resistant fixings; do not bond composite slatwall with adhesive. Composite boards expand and contract with temperature (linear thermal expansion 3.5×10^{-5} per K), so expansion gaps must be maintained at all board ends, abutments, trims, and fixtures. Full requirements, including batten centres, fixing methods, and gap dimensions, are set out in the GretaGrove Composite Slatwall 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. At 5000 mm long and approximately 13 kg per board, always carry boards on edge with two people, 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 installation 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 Slatwall 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.