



Product Data & Specification Sheet

Composite Cladding

1. Product Overview

GretaGrove Composite Cladding is a durable, low maintenance cladding board system for exterior walls, garden buildings, and trade projects. Manufactured by co extrusion, each board combines a wood plastic composite core with a protective virgin polymer surface layer, delivering the appearance of timber cladding without the ongoing painting, staining, or treatment that timber requires. The boards will not rot, warp, crack, or splinter in normal external use and are resistant to termites and insect attack. Boards are available in 2500 mm, 3600 mm, and 5000 mm lengths and are supported by a full accessory system, including external corner trims, U trims, H joint trims, and edge seals, for a complete, professionally finished installation.

2. Key Features

- 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
- Good surface hardness with a natural timber appearance and texture
- Three board lengths (2500 mm, 3600 mm, and 5000 mm) to suit different elevations and minimise joints and waste
- Full matching accessory system: external corner trims, U trims, H joint trims, and edge seals
- 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 Lengths	2500 mm / 3600 mm / 5000 mm
Board Width	148 mm
Board Thickness	20 mm
Weight	Approximately 1.45 kg per linear metre: 3.6 kg (2500 mm), 5.2 kg (3600 mm), 7.3 kg (5000 mm) nominal per board
Boards per Carton	2

Surface Protection	180° co extruded protective outer layer across the exposed faces
Accessories	External corner trims, U trims, and H joint trims in 2500 mm and 5000 mm lengths, and cladding edge seals
Colour Availability	Charcoal, Cement Grey, Natural, Teak, and Anthracite Grey colour profiles. Refer to the current GretaGrove range listing.
Surface	Textured 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 Bfl s1 to BS EN 13501 1, confirm against Fire Rating Certificate CZDG00568654

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 external walls and facades on domestic and commercial buildings, garden rooms, summer houses, outbuildings, porches, balconies, fascias, and external feature areas, 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 rainscreen 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 cladding 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 Cladding 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 elevation 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 Cladding 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.