Version V2.3

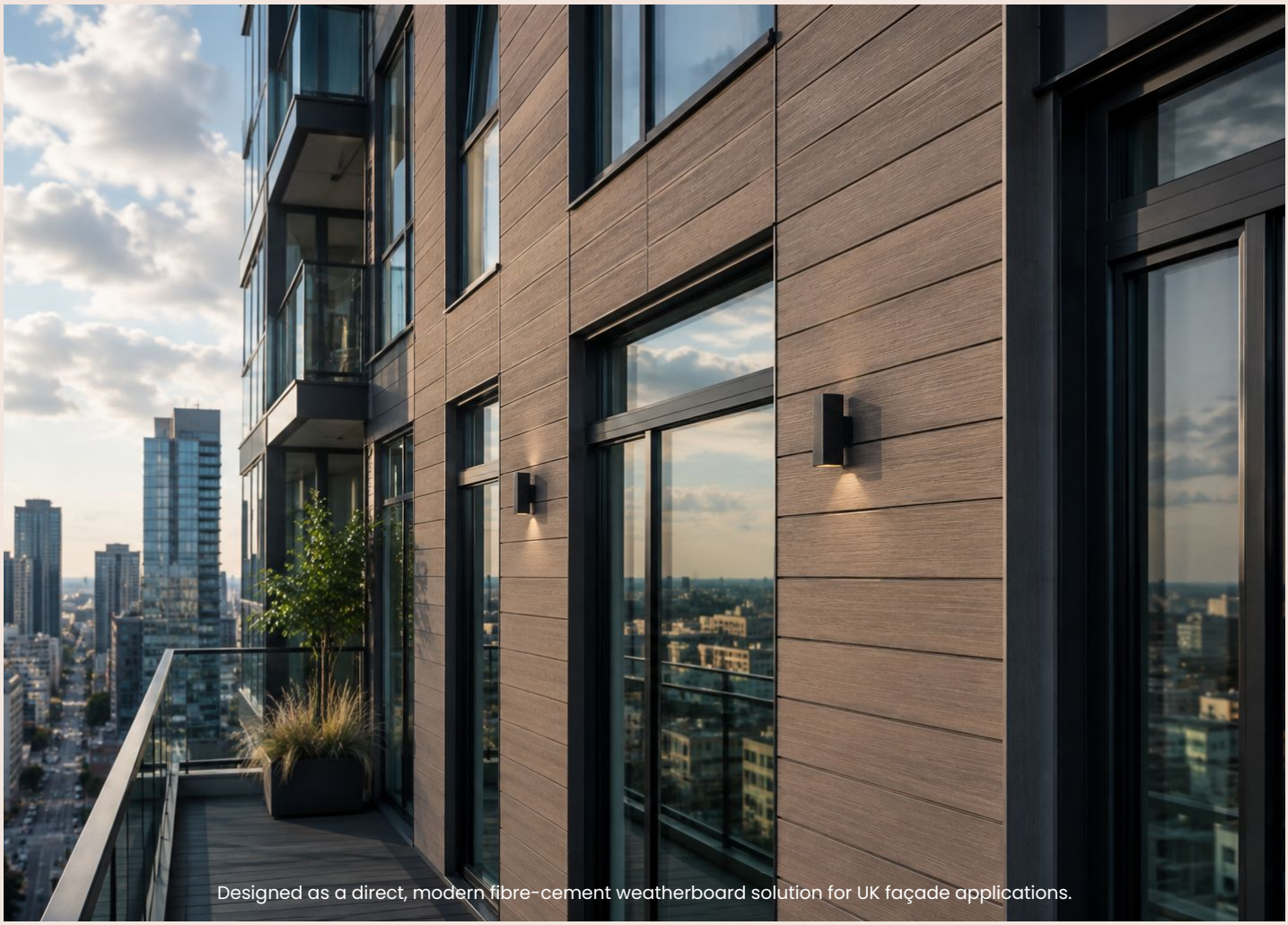
FIBRE CEMENT WEATHERBOARD

CEMBLOC.

BLOCPLANK®

FIBRE CEMENT WEATHERBOARD

High-performance external façade cladding



Designed as a direct, modern fibre-cement weatherboard solution for UK façade applications.

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External Cladding Applications.

Suitable for a wide range of residential and commercial façade applications.

Contemporary Residential Façade
BlocPlank® Mist

Residential Extension
BlocPlank® Chestnut

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Product Overview.

Fire-resistant cladding designed for long-term external performance.

A High-Performance Alternative to Traditional Timber Cladding

Timber cladding can look fantastic, but it can also require regular painting, staining and maintenance to keep it looking its best. Fibre cement cladding provides the aesthetic appeal of timber weatherboarding without many of the maintenance concerns associated with natural timber. Our boards are manufactured from a durable fibre cement formulation, creating a stable and robust external cladding solution suitable for residential and commercial applications.

Our A2 fire-rated fibre cement cladding combines high-performance fibre cement construction with the attractive appearance of timber weatherboarding. Designed for residential, commercial and architectural applications, our fibre cement cladding provides a durable, low-maintenance external finish with excellent fire performance.

BlocPlank® Mist

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Product Description & Geometry.

Fibre cement weatherboard cladding designed for durable, low-maintenance external façades.

CEMBLOC® BlocPlank® is a new fibre cement weatherboard developed for external façade and rainscreen cladding applications. The system combines the appearance of traditional timber weatherboarding with the durability, dimensional stability and low-maintenance characteristics associated with fibre cement.

A robust, specifier-friendly alternative for housing, refurbishment and light commercial façade projects.

Advantages of Use.

- Fibre cement substrate - resistant to rot and biological degradation.
- Low-maintenance alternative to traditional timber weatherboarding.
- Suitable for ventilated façade and rainscreen build-ups, subject to final system assessment.
- Proposed horizontal lap installation, with additional installation formats to be validated.
- Engineered for dimensional stability across normal UK external exposure conditions.
- Cutting, trims, fixings and colour matched accessories to form part of the complete BlocPlank® system.

Product Geometry.

Thickness	8mm
Board size	3660 × 180mm
Nominal lap	30mm
Approx. coverage	0.54m² per board at 30mm lap.

Illustrative application image · final BlocPlank® finish and colour.

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Technical Properties & Performance.

Declared and indicative performance characteristics for BlocPlank® fibre cement weatherboard.

Property	Specification
Product type	Fibre cement external weatherboard
Nominal thickness	8mm
Nominal dimensions	3660 × 180mm
Mass per unit area	11·2 kg/m2
Density	~ 1300 kg/m3
Reaction to fire	A2-s1,d0 to BS EN 13501-1
EN 12467 classification	Category A · Class 2
Flexural / bending strength	16.0 MPa perpendicular to fibre direction 11.9 MPa parallel to fibre direction
Modulus of elasticity	6200 N/mm²
Linear strain	≤0.05% (30–90% RH)
Impact Resistance (soft and hard impact as per EAD 090062-00-0404)*1	Category 1 (H1-3, S1-4)
Thermal conductivity	λ10,tr = 0.23 W/mK
Thermal resistance	R10,tr = 0.035 m2K/W
Modulus of elasticity	6200 N/mm²
Dimensional movement	Relative linear expansion ≤0.05% (30–90% RH)
Water impermeability / weathering BS EN 12467	Pass - no formation of water drops. Category A durability: warm water RL ≥0.75; soak/dry RL ≥0.75; freeze/thaw RL ≥0.75; heat/rain: Pass
Wind load capacity	≥2.07kPa design wind pressure, subject to fixing type and support centres
Minimum ventilated cavity	≥20mm free-flow ventilated cavity; ≥10mm ventilation inlet/outlet at base, head and around openings
Service life / warranty	Anticipated service life: 60 years / Product warranty: 15 years

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Design, Format & Finish.

Weatherboard configuration, application options, colour palette and surface character for BlocPlank®.

Proposed Weatherboard Format.

Application Routes.

- Horizontal lap weatherboard
- Vertical hit-and-miss cladding
- Open joint and architectural cladding details
- Suitable for new build, refurbishment, extensions and selected light commercial façades

Indicative Finish Palette.

Parchment · Sandstone · Harbour · Mist · Storm · Graphite · Terracotta · Chestnut

Preview of BlocPlank® colour collection · full physical sample palette shown on the following page.

Surface Character.

Options: natural wood grain texture and smooth architectural finish

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Standard Colour Collection.

BlocPlank® colour options, finish references and project selection guidance.

Bespoke colours are possible subject to MOQ (generally 1400 SQM)

Physical colour sample reference

Standard Colours.

01 Parchment	02 Sandstone	03 Harbour
04 Mist	05 Storm	06 Graphite
07 Terracotta	08 Chestnut	09 Ivory
10 Driftwood	11 Weathered Oak	12 Dark Oak

Colour & Finish Notes.

- Woodgrain surface shown in the physical sample board is the proposed primary finish for the lap weatherboard range.
- Smooth architectural finish may be developed as an additional option subject to manufacturing capability and demand.
- Final production colours, coating system, gloss level and closest RAL references are to be confirmed against approved production samples.
- On-screen and printed colours are indicative only, physical samples should be used for project colour approval.

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System Build-Up & Fixing Principles.

Typical ventilated façade arrangement and key installation requirements for BlocPlank®.

The finished façade performance depends on the complete substrate, membrane, cavity, rail/batten and fixing arrangement - not the weatherboard in isolation.

Illustrative ventilated wall build-up.

1. Wall / sheathing substrate
2. Breather membrane
3. Timber or metal support
4. Ventilated cavity · dimension TBC
5. CEMBLOC® BlocPlank® weatherboard

Fixing Principles.

- Final fixing type, corrosion resistance, head diameter and embedment are to be defined by substrate and wind-load testing.
- Batten / rail centres must be established from project-specific wind actions and the validated BlocPlank® fixing schedule.
- All cut edges and exposed penetrations must follow the approved coating / edge-treatment system.
- Maintain drainage and ventilation at base, heads, openings and cavity interruptions; provide compatible cavity barriers where required by the building design.

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Installation Sequence & Site Requirements.

Key preparation, cutting, fixing and finishing principles for BlocPlank®.

1. **Prepare:** Confirm substrate line, breather membrane, support rails/battens and cavity continuity.
2. **Cut:** Use fibre-cement suitable blades with localised extraction and appropriate PPE.
3. **Fix:** Install starter plank / base plank level, fix each weatherboard to a validated fixing schedule.
4. **Finish:** Maintain the specified lap, joint clearances, edge treatment, corners, trims and openings.

Illustrative installation image · final fixing centres and edge distances are subject to product/system parameters.

Site Essentials.

- **Store dry and flat**
- **keep boards supported while handling**
- **do not install saturated boards**
- **use dust extraction**
- **protect finished faces and cut edges**
- **follow project-specific wind-load and fire-stopping details.**

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Material Safety, Handling & Storage.

Essential guidance for the safe handling, cutting, storage and disposal of BlocPlank®.

Safe handling of fibre cement products starts with effective dust control, suitable PPE and correct storage. Always follow the current product SDS and site specific risk assessment

1 Health, Safety, Storage & Handling

- Mechanical processing of fibre cement can generate fine dust. Use suitable extraction and appropriate respiratory protection in accordance with the product SDS and site risk assessment.
- Wear suitable eye protection and gloves when cutting, drilling and handling boards. Avoid dry sweeping of accumulated dust; use suitable vacuum extraction or wet-cleaning methods.
- Store CEMBLOC® BlocPlank® boards flat, level, dry and protected from weather. Support long edges during manual handling to minimise flexing and damage.

2 Storage & Transport

- Store CEMBLOC® BlocPlank® flat, dry and fully supported on a level surface.
- Protect boards from rain, standing water and prolonged exposure prior to installation.
- Carry boards on edge and support along their length to minimise flexing or edge damage.
- Keep packs covered whilst allowing suitable ventilation to prevent condensation.

3 Cutting & Installation Safety

- Use suitable dust extraction when cutting, drilling or mechanically processing fibre cement.
- PCD or fibre-cement-rated cutting blades are recommended for clean, controlled cutting.
- Wear suitable eye protection, gloves and respiratory protection appropriate to the task.
- Cutting should preferably be undertaken outdoors or within a well-ventilated area.

4 Disposal & Environmental Considerations

- Off-cuts and packaging should be segregated and disposed of in accordance with local waste regulations.
- Do not burn fibre-cement products or dispose of them by uncontrolled means.
- Where possible, minimise site waste through accurate setting-out and cutting schedules.

Important

Always refer to the current CEMBLOC® BlocPlank® Safety Data Sheet and Installation Guide before handling, cutting or installing the product. Site-specific COSHH and risk assessments remain the responsibility of the installer.


Eye protection


Respiratory protection


Gloves


Dust extraction

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Let’s talk about your project.

We are proud of our reputation for excellent service.
Whether you require, part or full load deliveries, our team will make sure we do everything possible to help you and your project, as together we can build better.

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