BRICK SLIP SYSTEMS

FIBRE CEMENT BRICK SLIP PANEL SOLUTIONS

STRONGER, SMARTER, FASTER CLADDING SOLUTIONS

Durable • Lightweight • Fast Installation • Fire-Resistant

www.BrickslipSystems.co.uk

MEETING THE HOUSING CHALLENGE

The UK faces one of the most demanding housing delivery targets in decades: hundreds of thousands of new homes are needed every year. Traditional brick-and-block construction alone cannot keep pace.

A radical shift in building approach is already underway. The industry is rapidly shifting toward timber-frame housing and MMC (Modern Methods of Construction)—systems that enable faster delivery, predictable performance, and lower embodied carbon.

As the industry shifts toward timber frame and MMC, the need for fire-safe, cost-predictable, rapidly deployable cladding solutions has never been greater.

IMAGINING A BETTER WAY ...

Brick Slip Systems provides a façade approach engineered specifically for the realities of modern construction.

Our systems eliminate the traditional challenges of brickwork on MMC structures, delivering consistent performance, accelerated installation, and full A1 fire safety compliance—without compromising the classic brick aesthetic buyers expect.

Why do developers choose Brick Slip Systems?

- Rapid installation to keep MMC timelines on track
- A1 fire-rated performance for regulatory confidence
- Lightweight systems ideal for timber frame, SIPS, ICF, steel, and more
- Predictable costs and secure supply for reliable project planning
- Future-ready façades for the next generation of sustainable homes
- Mass production with volume-based pricing available

WHY CHOOSE BRICK SLIP SYSTEMS?

Our fibre cement has **ideal properties as a cladding material** - resistant to rot, warping, impact, pests, and UV rays. It is water-resistant and has good thermal and noise insulation properties.

Depending on your chosen brick (typically 40-75mm) we precisely mill the brick tracks to size - with 1mm tolerance on either size and a 3mm deep groove for retention. Our boards are supplied with various insulations if required and are easy to cut, pilot and fix to building exteriors.

- **FAST INSTALLATION REDUCES PROJECT TIMELINES**
- **LIGHTWEIGHT FIBRE CEMENT CONSTRUCTION**
- **AVAILABLE IN A VARIETY OF SIZES AND FINISHES**
- **SUITABLE FOR MODULAR BUILDS, NEW RESIDENTIAL DEVELOPMENTS & REFURBISHMENTS**
- **WEATHER-RESISTANT, FIRE-RATED AND IMPACT-RESISTANT**

We manufacture A1-rated fibre-cement brick-slip tracker boards at scale. **Our standard boards are 2400mm x 1200mm,** with the flexibility to produce custom sizes to suit project requirements.

Our panel sizes means buildings can be clad quickly and by comparison to typical market offerings, **we deliver significantly better coverage-to-cost ratio**. An average competitor charges £60/m2, our boards are 2.88 m2 with prices starting from £30, offering exceptional value per installed square metre. *Volume-based pricing available - ask us for our costing sheet

OUR PRODUCTS & SERVICES

Fibre-Cement Brick-Slip Tracker Boards

Specifications

- Large format: 2440 × 1200 mm (cut to any size, halves, quarters, bespoke)
- 2.88 m^2 coverage per board
- 12mm thick, with a 3mm groove for retention and 10mm mortar joint.
- Tailored to bespoke brick sizes ranging between 38-75mm (2mm tolerance)
- Tailored to any brick type: Linear, metric, reclaimed etc
- Supplied with or without insulation Thickness options: 40 mm – 150mm *Fire-Resistant & Fireproof insulation variants available on request

Key Advantages

- A1 non-combustible
- Pre-grooved tracker lines for fast, level installation.
- Suitable for timber frame, steel, masonry, concrete & modular
- Indistinguishable from traditionally laid brickwork
- Over 4000+ produced per month
- Prices from £30

EPS Milled Insulation Panels

A fully insulated cladding system made from precision-milled expanded polystyrene (EPS).
Designed as a direct brick-slip carrier or as an insulated backing board bonded to our fibre-cement tracker panels.

Specifications

- Large format: 2440 × 1200 mm (cut to any size, half, quarters)
- 2.88 m^2 coverage per board
- Thickness options: 40 mm – 150mm
- Material: High-density EPS, custom-milled to order
- Compatibility: Breeze block, timber frame, concrete, modular, steel, and masonry structures
- Achieves resistance to fire rating E, *with protective render can achieve \B-s1,d0 BS EN 13501-1

Key Advantages

- Provides insulation and slip support in one lightweight system
- 0.030-0.038 W/mK Thermal conductivity
- Reduces thermal bridging and boosts building energy ratings
- Factory-milled in the UK for short lead times
- Ideal for both retrofit and new-build projects
- Prices from £30

Two Systems combine for one complete façade solution

A façade carbon comparison for modern housing developments

Scope of the Carbon Comparison

This case study presents an indicative embodied carbon comparison (A1–A3) between:

- A Brick Slip Systems façade (fibre cement carrier board + clay brick slips), and
- A traditional UK cavity wall (brick outer leaf + dense concrete block inner leaf)

*Figures are based on published Environmental Product Declarations (EPDs), verified product weights and standard industry assumptions.

System Definition and Quantities

Brick Slip Systems Façade

- Fibre cement carrier board: 1200 × 2400 mm
- Board thickness: 12 mm (pre-milling),
- Approx. 36 kg after milling
- Board area: 2.88 m^2
- Board mass: approx. 12.5 kg/m^2
- Brick slips: 20 mm thick, 65 mm high, 210 mm long
- Slip density: approx. 60 slips per m^2

Traditional Cavity Wall

- Outer leaf: standard clay bricks (approx. 60 bricks per m^2)
- Inner leaf: dense concrete blockwork

Embodied Carbon Results (A1–A3)

Brick Slip Systems Façade

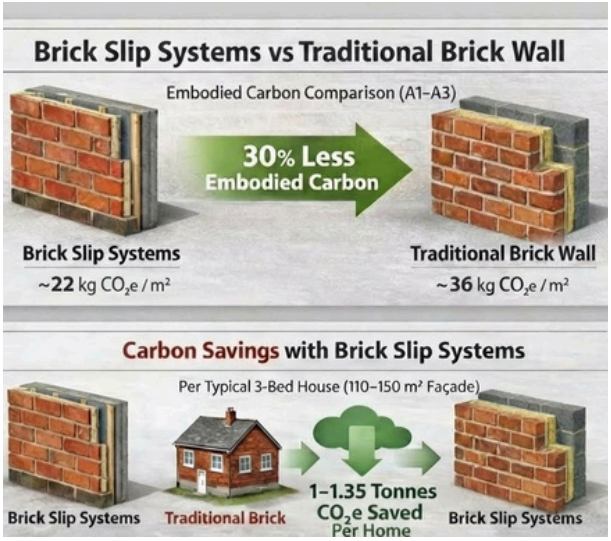
- Fibre cement carrier board: approx. **6.6 $kgCO_2e/m^2$**
- Brick slips: approx. **15.2 $kgCO_2e/m^2$**

Total Brick Slip Systems façade: ~22 $kgCO_2e$ per m^2

Traditional Cavity Wall (Brick + Dense Block)

- Brick outer leaf: approx. **27.2 $kgCO_2e/m^2$**
- Dense concrete block inner leaf: approx. **9.0 $kgCO_2e/m^2$**

Total traditional cavity wall: ~36 $kgCO_2e$ per m^2



Carbon Reduction Achieved

Using Brick Slip Systems instead of traditional cavity wall delivers an approximate:

- **38% reduction** in embodied **carbon per m^2** of façade
- **When compared to double-skin brick construction, the reduction increases to approximately 59%.**

Impact at a Typical 3-Bed Detached Home Scale

A typical 3-bed detached house has approximately 110–150 m^2 of external façade area once doors and windows are allowed for.

Using Brick Slip Systems in place of traditional brick construction can deliver:

- **~1.5–2.1 tonnes CO_2e** saved per home (vs cavity wall)
- **~3.5–4.8 tonnes CO_2e** saved per home (vs double-skin brick)
- Across multi-plot developments, these savings become material at a site-wide scale and contribute meaningfully to whole-life carbon targets.

Why Brick Slip Systems Delivers Lower Carbon

- Reduced Fired Clay Content
- **Traditional masonry** walls require over **120 kg of fired clay per m^2**.
- **Brick Slip Systems** achieves the same aesthetic using approximately **34 kg per m^2**, significantly reducing the carbon impact associated with firing and transporting clay bricks.
- Panelised, Efficient offsite construction.
- Large-format carrier boards reduce waste, site handling, and rework, supporting faster construction programmes and more consistent installation quality.
- Designed for Modern Methods of Construction. Brick Slip Systems are specifically designed to integrate with timber frame, modular, and panelised construction — the methods increasingly adopted to deliver lower-carbon housing at scale.

Conclusion

Brick Slip Systems provides a practical route to lower embodied carbon brick façades without compromising the appearance or durability expected of traditional brickwork.
By combining thin clay brick slips with panelised fibre cement carrier boards, the system aligns with modern construction methods while delivering measurable carbon savings at both plot and development scale.

Disclaimer

*This comparison is indicative and based on published Environmental Product Declarations (EPDs), verified product weights and standard industry assumptions. Results vary depending on project design, wall build-up, transport distances, wastage rates and specification. For formal reporting, a project-specific whole-life carbon assessment should be undertaken.

BRICK SLIP SYSTEMS

CONTACT US NOW
OR VISIT OUR WEBSITE TODAY

0118 370 1632

www.brickslipsystems.co.uk

sales@brickslipsystems.co.uk

15 Lock Lane,
Units 3 & 4
Warwick
CV34 5AG