

Russwood Battening System

Russwood Battening System offers an environmentally friendly, engineer-assessed, method of fixing timber cladding.

It is easy to install and disassemble at end of life and comes with optional built-in fire resistance feature. Purposefully designed to support architects with external cladding detailing, Russwood Battening System simplifies and speeds up installation as well as reducing on-site wastage for contractors.

Independently assessed to be compliant with **EN 1995-1-1: Eurocode 5: Design of Timber Structures** in advance of any other comparable batten support system on the market.

The system comprises Thermopine® battens, load-bearing screw fixings and Kompefix® flexible ventilation strips from our Austrian fixings partner Sihga, plus Securo Firebreather™ Cavity Barriers.

*If Securo FB is being used then KompeFix® cannot be used in the same system – it's one or the other.

1. Thermopine® Battens

Thermopine® is a thermally treated timber with enhanced stability and durability. Thermopine® is durable through its full cross section due to the thermal treatment process, meaning that any pieces cut, machined or reworked during installation do not expose any vulnerable unmodified material. This means that the cut material does not need preservative treated on site.

Our in-house team of technicians have carefully selected three batten shapes in order to make the system compatible with vertical, horizontal and diagonal cladding arrangements.

RWB001 42x42mm square-edge* batten
RWB002 45x20mm square-edge* counter batten
RWB003 46x42mm sloped* horizontal batten

*battens will have rounded corners

The batten shapes contain machined-in grooves for easy and accurate fixing using GoFix® MS II load-bearing screws and KompeFix® flexible ventilation strips.

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2. GoFix® MS II with SC 7® coating

The GoFix® MS II screws for load-bearing connections have been carefully selected and independently assessed by a structural engineer to make their specification compliant with EN1995-1-1: Eurocode 5: Design of Timber Structures. Load bearing GoFix® MS II screws come with a corrosion resistant patented SC 7® coating. F-BohrFix® screws are also included for pinning of non-load-bearing components.

3. KompeFix® Flexible Ventilation Strips

KompeFix® works as a flexible spacer that offsets the cladding from the battens to improve ventilation, and eliminate the moisture-trapping wood-to-wood contact -helping it look better and last longer.

4. Securo Firebreather™ Cavity Barriers

Securo Firebreather™ Cavity Barrier is a tested and certified fire resistance rated product. It consists of 2 components: a stainless-steel mesh and an intumescent strip. Highly effective under direct flame exposure, where situations like flashover or rapid flame growth are occurring. The mesh acts immediately to block the passage of flame and burning embers, while the heat activated intumescent strip expands and fully blocks the cavity.

5. Summary

- Independently assessed by an engineer – complies with EN 1995-1-1: Eurocode 5: Design of timber structures, and is suitable for fixing external timber cladding in the harshest UK conditions
- Fast sustainable construction – easy to install, disassemble and reuse
- Enhanced longevity and performance – Thermopine® is highly durable and stable thanks to thermal treatment
- Environmentally friendly – does not contain hazardous chemicals, unlike standard preservative impregnated softwood battens
- Russwood can offer assistance with detailing and installation advice, and quantifying of the system requirements

Full technical information available on request. Please get in touch for assistance with detailing and installation advice, and quantifying of the system requirements.