

Product Safety & Handling Sheet



BioStud: hemp-based wall stud

Manufacturer: BioTwin

Intended use: Component for non-loadbearing internal partition wall systems

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1. Product Identification

BioStud is a formed composite wall stud manufactured by BioTwin for use as vertical framing within non-loadbearing internal partition wall systems. It is designed as a direct replacement for light gauge steel studs in drylining applications.

This document provides safety, handling, and use information for site operatives, installers, and distributors.

Emergency contact:

BioTwin Limited – matt@biotwin.co.uk

2. Product Description & Composition

BioStud is a solid composite profile manufactured from:

- Hemp fibre
- Hemp shiv
- Thermoplastic binder with no added formaldehyde and low VOC

The product is supplied as a finished, solid article. It is not supplied as a liquid, powder or loose fibre.

3. Hazard Identification

Classification

BioStud is not classified as hazardous when supplied as a finished article and used as intended.

Potential hazards

Under normal handling and installation conditions, no significant health hazards are expected.

Potential risks may include:

- Manual handling risks associated with lifting and carrying long components
- Dust generation during cutting or drilling
- Sharp edges if the product is cut, damaged, or mishandled

These risks are comparable to those associated with timber or wood-based construction products.

4. First Aid Measures

- Inhalation (dust): Remove to fresh air. Seek medical advice if irritation persists.
- Eye contact: Rinse cautiously with clean water for several minutes. Remove contact lenses if present and easy to do.
- Skin contact: Wash with soap and water.
- Ingestion: Unlikely during normal use. Rinse mouth and seek medical advice if concerned.

5. Fire Safety Information

BioStud is a combustible composite material when exposed to fire.

Fire performance is dependent on the complete wall system and lining materials used. In the event of fire, decomposition may produce smoke and gases similar to those generated by other wood-based construction products.

Firefighting measures:

Use extinguishing media appropriate to the surrounding materials (e.g. water spray, foam, CO₂, or dry powder).

6. Handling & Storage

- Store indoors in dry conditions
- Protect from prolonged moisture exposure
- Stack flat or vertically with adequate support to prevent bending or damage
- Handle with care to avoid impact or excessive flexing

No special handling equipment is required beyond standard construction site practice.

7. Exposure Controls & Personal Protective Equipment (PPE)

No special exposure controls are required during normal handling.

When cutting or drilling:

- Wear suitable eye protection
- Wear gloves when handling cut edges
- Use a dust mask (P2 recommended) where dust is generated
- Provide local extraction or adequate ventilation where practicable

These precautions are consistent with standard good practice for wood-based products.

8. Installation-Related Safety Information

- BioStud can be cut or drilled using standard woodworking tools
- A maximum 20 mm diameter hole may be drilled for services, centred in the stud
- Holes should not be elongated or offset
- Do not use the product outside its intended non-loadbearing application

For detailed fixing, splicing, and installation instructions, refer to the BioStud Fixing & Splicing Guide.

9. Environmental & Disposal Considerations

BioStud is considered non-hazardous construction waste.

- Dispose of offcuts in accordance with local authority regulations
- Do not burn on site
- No special disposal controls are required

Recycling and take-back options are under development.

10. Regulatory & Other Information

This Product Safety & Handling Sheet provides information relating to the safe handling and use of BioStud only.

It does not replace:

- Project-specific risk assessments
- Method statements
- Site health and safety plans

Users remain responsible for compliance with applicable health and safety legislation, including the Construction (Design and Management) Regulations.

11. Disclaimer

The information contained in this document is based on current knowledge and is provided in good faith to describe the product from a safety and handling perspective only. It does not constitute a specification, performance guarantee, or approval for any particular application. BioTwin Limited reserves the right to amend this information without prior notice as part of ongoing product development.