

BioStud Install Guide



Manufacturer: BioTwin

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

Issue date: Feb 2026

Purpose & Scope

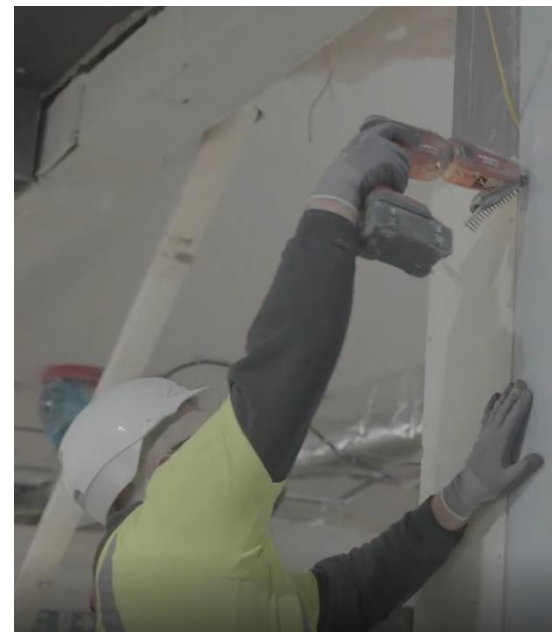
This installation guide provides practical site guidance for installing BioStud as part of non-loadbearing internal partition wall systems. It is based on contractor installation practice and is intended to support competent installers alongside project drawings, method statements and applicable standards. Performance outcomes depend on the complete wall build-up, site conditions, and workmanship. This guide does not constitute a design specification or approval for any particular project; where requirements differ, follow the project engineer/specifier's details.



Image: completed installation – Acton, London, UK (Feb 2026)

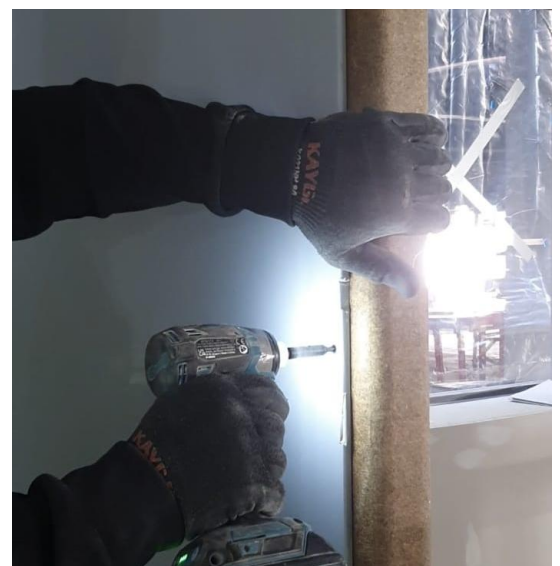
Cutting and drilling

- BioStud can be cut using a handheld circular saw or a static chop saw.
- The material can be cross-cut, ripped, drilled and sanded using standard woodworking tools.
- Use appropriate PPE when cutting or drilling, as dust may be generated.



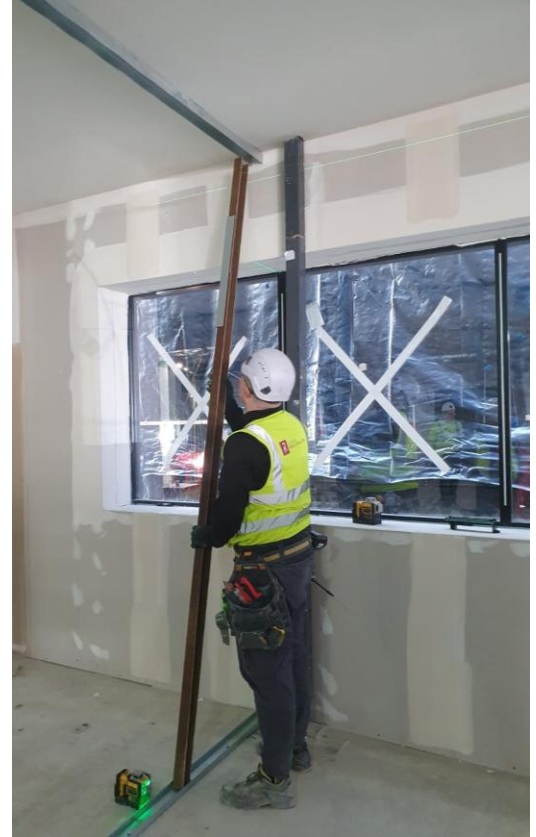
Fixings (example used by contractor)

- On the referenced installation, the contractor used Hilti plasterboard-to-wood screws (S-DS 03 B, sharp-point) for board-to-stud fixings.
- Equivalent fixings may be used where appropriate for the board type and project specification.
- Standard fixings may be used for steel head and base channels in accordance with the channel manufacturer's guidance.
- Tools: impact driver or screw magazine.



Installation of vertical studs

- Maintain a 20mm head gap (unless otherwise detailed) to allow engagement into the top track.
- Insert studs into the base track and rotate/twist into position within the head track.
- Fixing requirements (if any) should follow the project specification and the track manufacturer's guidance.
- Typical channels used on the referenced project: Top track 72 × 50mm, Base track 72 × 25mm.



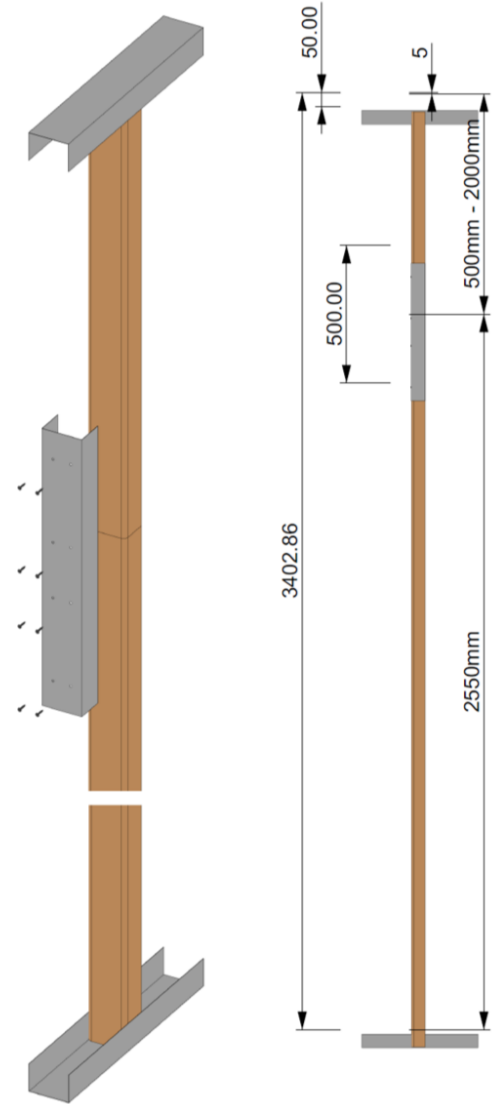
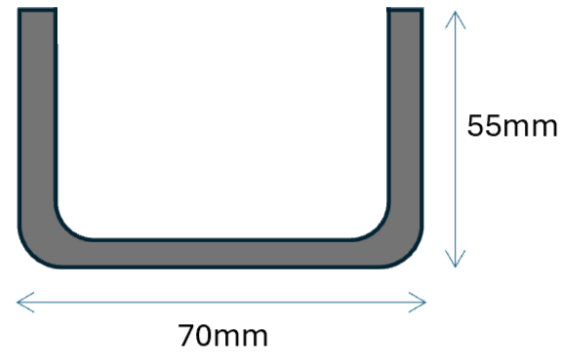
Headers and openings

- Openings (e.g. doors) should be framed in accordance with the project design.
- On the referenced installation, a 72 × 50mm channel was used as a header, cut to size and fixed back to adjacent studs.
- Where higher loads or door hardware are required, use project-specified reinforcement details.



BioStud dimensions and splicing

- Dimensions 70mm x 55mm
- Sides 45mm flat
- Supplied length – 2.5m
- Spliced Max height tested – 4.6m (using splice detail)
- Splice member – 72mm channel, 500mm long
- Hilti Drywall wood screws (preferred)
- Service holes: max 20mm, centred in the stud web



Contractors preferred layout with splicing of studs

Disclaimer

This guide is provided in good faith as practical installation guidance for competent installers. It does not constitute a design specification, performance guarantee, or approval for any particular application. Installation must follow project drawings, method statements, and applicable standards. BioTwin Limited may update this guidance from time to time as product and installation learnings evolve.