



CEILING BATTEN SYSTEM INSTALLATION GUIDE

SCOPE OF USE

The Steelformers Ceiling Batten System is suitable for residential and commercial applications. The system can be used for directly supporting single layered plasterboard ceiling linings in buildings within the scope of NZS 3604 or NASH Standard Part 2 - Light Steel Framed Buildings (ensure linings are installed as per the manufacturers guidelines).

The Steelformers Ceiling Batten System is not suitable for use in structural applications such as part of a ceiling diaphragm, or as a part of a fire resistance rated construction.

INSTALLATION

Installation of the Steelformers Ceiling Batten System must be completed by, or under the supervision of a Licensed Building Practitioner with the relevant license class. The Steelformers Ceiling Batten System is suitable to support single layered plasterboard ceiling linings up to a maximum weight of 25 kg/m² - e.g. 13mm plasterboard is nominally 12 kg/m². Ensure the linings are installed as per the lining manufacturers recommendations.

The Steelformers Ceiling Batten System can support the weight of small, lightweight items with a maximum mass of 7.5 kg, fixed to the ceiling lining with not more than 1 item per 1 m². Heavy items such as range hoods, garage door openers, large luminaries and the like must be fixed to truss chords, ceiling joists or floor joists or blocking fixed between these elements.

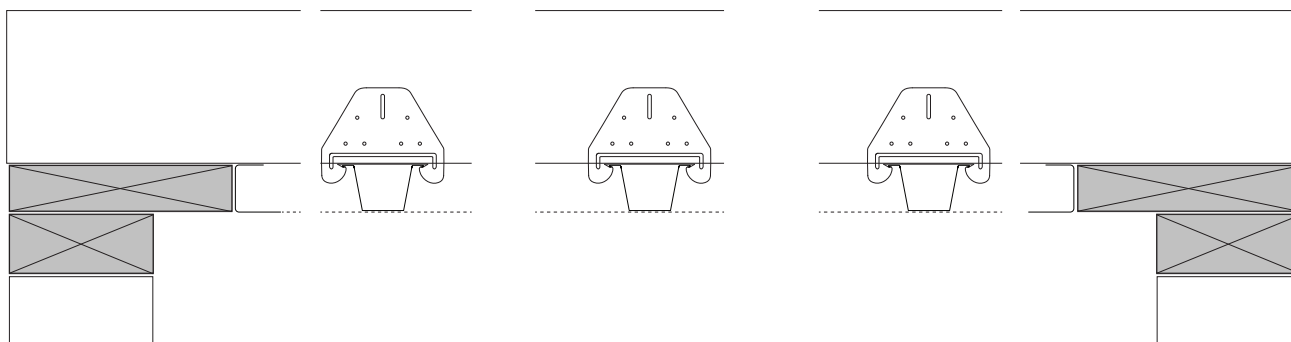
TECHNICAL SUPPORT

Contact a Steelformers representative at your local branch for detailed technical advice.

SET OUT EXAMPLE

The Steelformers Ceiling Batten System is suitable for residential and commercial applications. The system can be used for directly supporting single layered plasterboard ceiling linings in buildings within the scope of NZS 3604 or NASH Standard Part 2 - Light Steel Framed Buildings (ensure linings are installed as per the manufacturers guidelines).

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Step-by-step guide:

1. Establish a datum line for the ceiling. Place a string line on the datum line at right angles to the battens. The best place is under the truss or joist closest to the room centre.
2. Install C-Channel around the perimeter of the room using 10×16mm wafer head screws (for timber framing), or 12×20 steeltite screws (for steel framing). The C-Channel must be fixed at the top plate with the longer leg at the bottom so that the end of the Ceiling Batten can slot in. C-Channel should be fixed at maximum 1200mm centres.
3. Install the clips at 600mm centres using three 32×8g gold passivated, wafer head, course thread screws (for timber framing), or three Konnect ST12-14tp x20mm CLS5 Steeltite self-drilling screws (for steel framing). The clips are to be fixed to the side of the truss, rafter, ceiling or floor joists. Initially, use the central fixing slot so that the clip can be adjusted up or down to achieve a level ceiling line. Once level, secure the clip firmly by utilising the other available fixing holes for the remaining two screws.
4. Fix the Ceiling Batten into the C-Channel using Konnect ST12-14tp x20mm CLS5 Steeltite self-drilling screws. If trimming of the Ceiling Batten is required*, be sure to use tin snips or an angle grinder (abrasive cutting could damage the galvanised coating). Recommended spans for Ceiling Batten between supporting framing is max. 1200mm and max. 900mm for a single span.

Things to remember:

- *List the quantity and lengths of the Ceiling Batten required for each room and Steelformers will label them for easy on-site identification
- The Ceiling Battens can be end joined by butt joining where the Ceiling Battens meet the supporting framing
- Consult an electrical contractor for any earthing requirements that may need incorporating