

Installation Guide - Direct Fix Ceilings

The Studco Concealed Ceiling System has a range of options for direct fixing of battens and furring channels in ceiling applications (as shown in Fig 1). The maximum ceiling drop should not exceed 180mm. A greater drop than 180mm requires the Studco Suspended Ceiling System. Direct Fixing clips must be fixed along the furring channel or batten sections in accordance with the relevant maximum ceiling span tables. A minimum of two fasteners must be used per clip. The temporary holding tab can be used as a non permanent fixing for ease of installation when fixing to timber beams. Also there must be a minimum clearance of 2mm to the underside of the joist (as shown in Fig 1). The Furring Channel or Batten sections should be spaced in accordance with the building board manufacturer's recommendations. It is not recommended to screw or nail fix battens or furring channels directly to a joist supporting a trafficable floor due to deflection of the joist occurring and possible subsequent interaction with the ceiling batten.

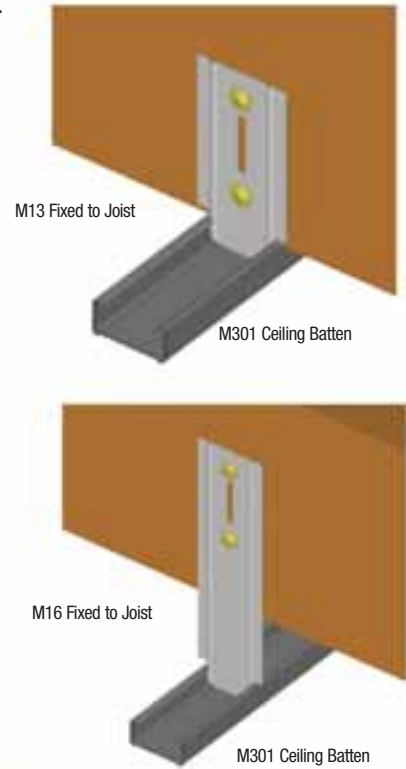
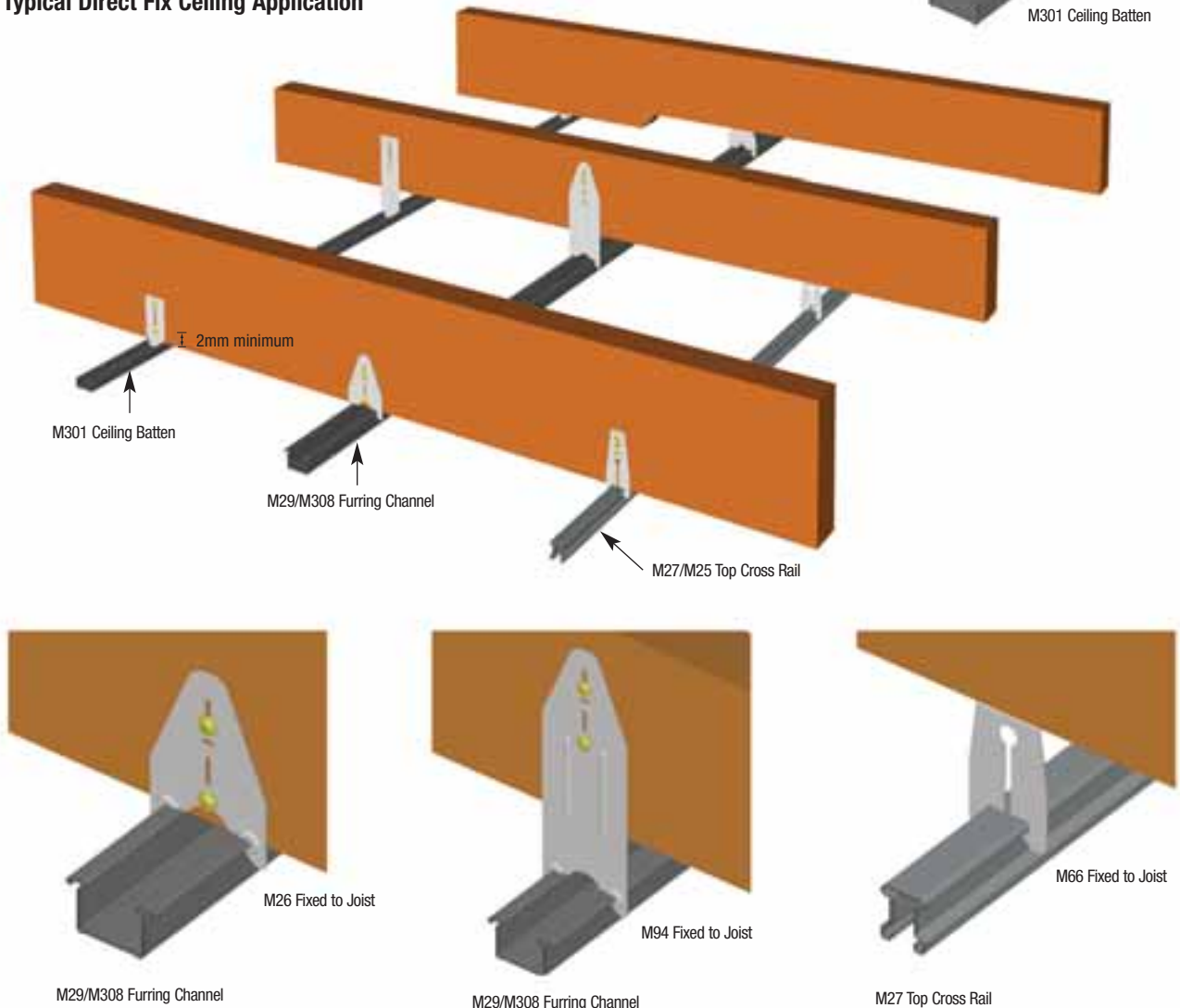


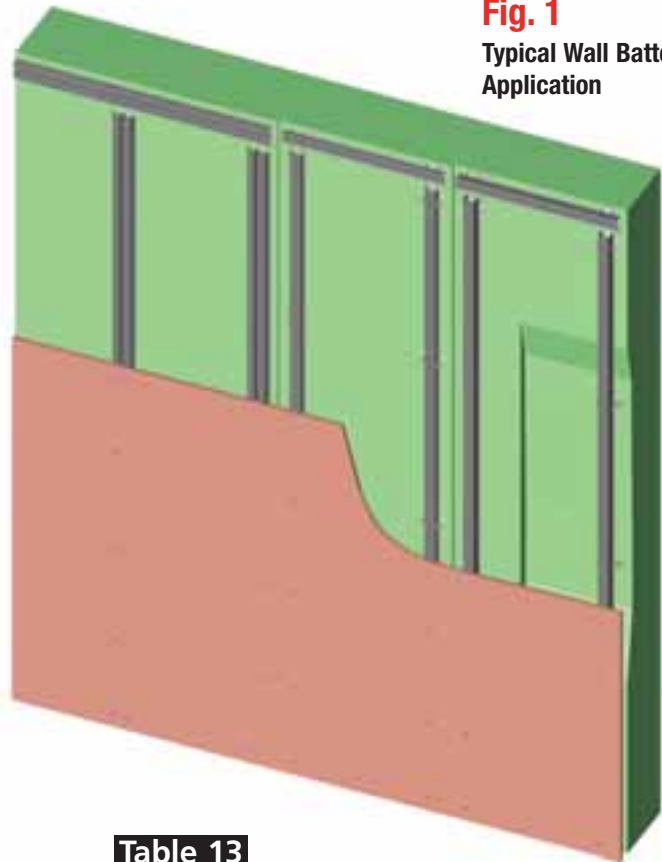
Fig. 1
Typical Direct Fix Ceiling Application



Installation Guide - Direct Fix Ceilings and Walls

The Studco furring channels and battens together with the range of direct fixing clips are the most effective way of battening out of irregular walls in preparation for the fixing of the building boards. A combination of direct fix and adjustable clips may be used. (See Fig. 1). Adjustable clips can offset irregular surfaces up to 50mm (as shown in Fig. 2). Anchors should be selected in accordance with the manufacturers recommendations. Anchors should be spaced in accordance with Table 12.

Fig. 1
Typical Wall Batten Application



Concealed Ceiling Systems

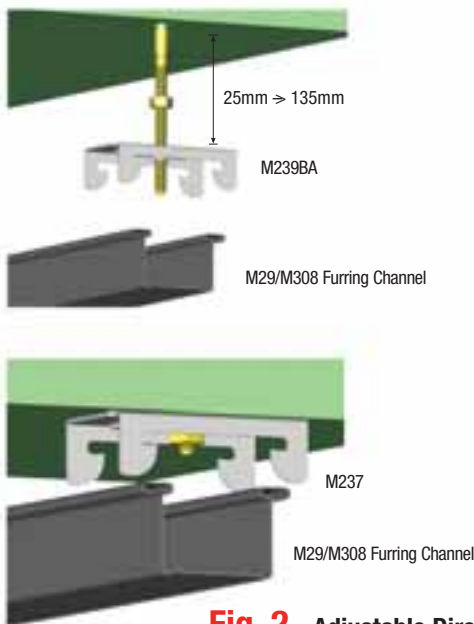
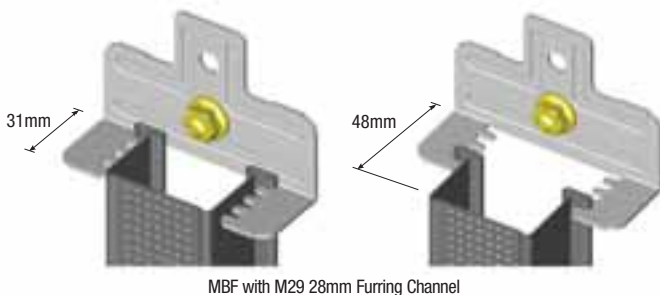


Fig. 2 Adjustable Direct Fix Clips - Wall Batten Application

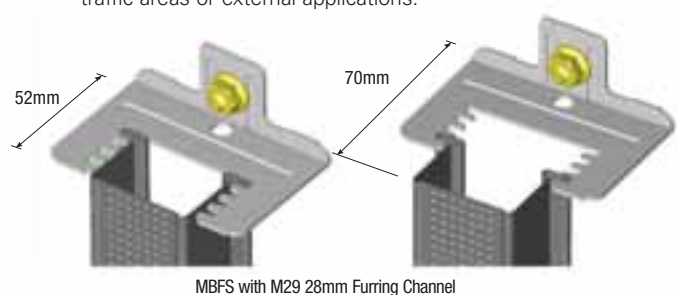
Table 13

| MAXIMUM ANCHOR SPACING | |
|------------------------------------|----------------|
| FURRING CHANNEL | ANCHOR SPACING |
| M333 13mm Recessed Furring Channel | 900mm |
| M29 28mm Furring Channel | 1200mm |
| M308 16mm Furring Channel | 900mm |

Note: The above spacings may not be suitable for high traffic areas or external applications.



MBF with M29 28mm Furring Channel



MBFS with M29 28mm Furring Channel

Table 11

| MAXIMUM POSITION | | |
|----------------------------|---------------------------|---|
| ADJUSTABLE DIRECT FIX CLIP | FURRING CHANNEL | MEASUREMENT rear of clip to face of furring channel |
| MBFS | M29 28mm Furring Channel | 70mm |
| MBFS | M308 16mm Furring Channel | 58mm |
| MBF | M29 28mm Furring Channel | 48mm |
| MBF | M308 16mm Furring Channel | 36mm |

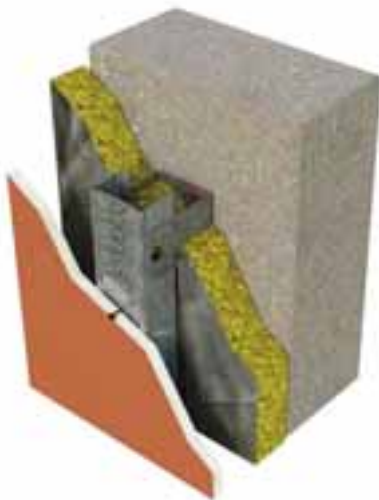
Table 12

| MINIMUM POSITION | | |
|----------------------------|---------------------------|---|
| ADJUSTABLE DIRECT FIX CLIP | FURRING CHANNEL | MEASUREMENT rear of clip to face of furring channel |
| MBF | M308 16mm Furring Channel | 19mm |
| MBF | M29 28mm Furring Channel | 31mm |
| MBFS | M308 16mm Furring Channel | 40mm |
| MBFS | M29 28mm Furring Channel | 52mm |

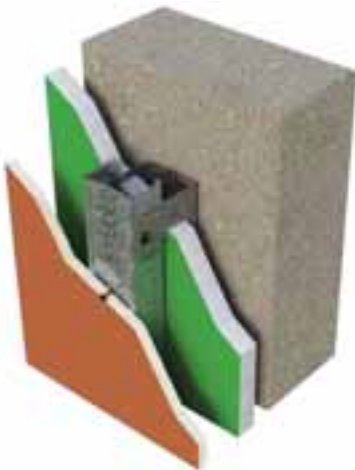
Installation Guide - Slimwall



The Studco SLIMWALL system is a energy efficient wall system that is code compliant to NCC 2011 Section J (BCA 2011) Energy Efficiency criteria. The Studco SLIMWALL System consists of a C-channel section and a series of two brackets, designed to provide adjustable stand-off points for fixing the channel. The M163-6 SLIMWALL bracket is suitable for wall cavities 69-92mm and the M163-8 SLIMWALL bracket is suitable for wall cavities 85-108mm. Once the M163 brackets are fixed to external wall using shot pins or masonry anchors, the Studco Slimceil M355 channel are inserted into the brackets and screwed to the brackets, achieving a secure and permanent fixing which can support a wide variety of lining board types and weights. So whether you're chasing 6 Star Green Star on your next project or you just need a fast, flexible and fully code compliant wall system, choose the unique, new Studco SLIMWALL.



Studco Slimwall system used with CSR Bradford foil-faced builders blankets to achieve R2.8 rating.



Studco Slimwall system used with foilboard insulation to achieve R1.8 rating.

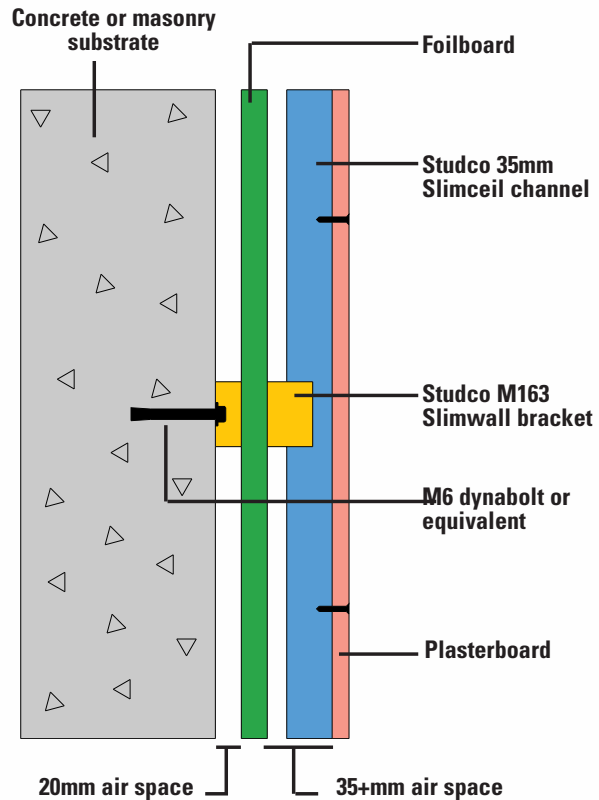


Table 62

| SLIMWALL - MIN & MAX MEASUREMENTS | | | |
|--|--------------|--|-----------------|
| PART No | BRACKET SIZE | Distance from substrate to back of plasterboard. | |
| | | Min measurement | Max measurement |
| M163-6 | 68mm | 70mm | 90mm |
| M163-8 | 84mm | 86mm | 106mm |

* This is the distance from the concrete substance and to the back face of the plasterboard lining.