



Ceiling Installation Procedures

Direct Fixed Ceilings

Scope:

This procedure details the installation methods and correct use of Studworks products in direct fixed ceiling applications. It is necessary that these installation procedures are followed. Studworks reverses its rights to vary or void any warranty claims if these installation procedures are not followed, or any of the Studworks products detailed below are substituted with alternative products from other suppliers.

Studworks Products:

The procedures detailed below are based on the use of the following Studworks products.

Code:	Description
CB-055-16	16mm Ceiling Batten
CBHC-FS	Flat Clips (standard)
CBHC-FL	Flat Clips (long)
CBHC-ST	Wing Clips (standard)
CBHC-LO	Wing Clips (long)
FCT-055-16	16mm Furring Channel Track
PA-050-050	50mm x 50mm Angle

Installation:

The spacings of the ceiling battens and centres of the fixings along each ceiling batten should be in accordance with the following table:

Spacing and Fixing Centre Table				
Cladding (Plasterboard)	Ceiling Batten Spacing (maximum)			
	Single Span		Continuous Span	
	450mm	600mm	450mm	600mm
	Fixing Centres (maximum)		Fixing Centres (maximum)	
10mm	950mm	900mm	1,100mm	1,100mm
13mm	950mm	900mm	1,100mm	1,100mm

However, it is recommended that the fixing centres do not exceed 900mm.

Fixings (Direct): The ceiling batten is fixed, adequately secured through the centre of the ceiling batten into a horizontal face of a supporting structural member through the face of the ceiling batten using fixings detailed in the following table. This fixing method should not be used if there is any likelihood of deflection or movement in the supporting structure.

Fixings (Clips): The ceiling batten is fixed using clips, adequately secured to a vertical face of the supporting structural member using fixings detailed in the following table. If there is any likelihood of deflection or movement in the supporting structure, such as under upper floors, a clearance of not less than 3mm should be left between the top edge of the ceiling battens and underside of the supporting structural member.



Fixings Table (minimum)			
Direct (minimum)		Clips (minimum)	
Timber	Metal	Timber	Metal
1 x 50mm x 2.8mm	refer to manufacturer's guidelines.	2 x 25mm x 4.8mm	refer to manufacturer's guidelines.

Intersections between ceilings and walls:

Ceiling battens at right angles to a wall junction: Where a ceiling batten intersects a wall junction at right angles, the ceiling batten should remain unfixed no less than 450mm from that wall. A furring channel track should be adequately secured to that wall to pick up and support the ends of the ceiling battens.

Ceiling battens parallel to a wall junction: Where a ceiling batten runs parallel to a wall junction, the closest ceiling batten should be no less than 450mm to that wall. An angle should be adequately secured to that wall to pick up and support the ceiling plasterboard top face.