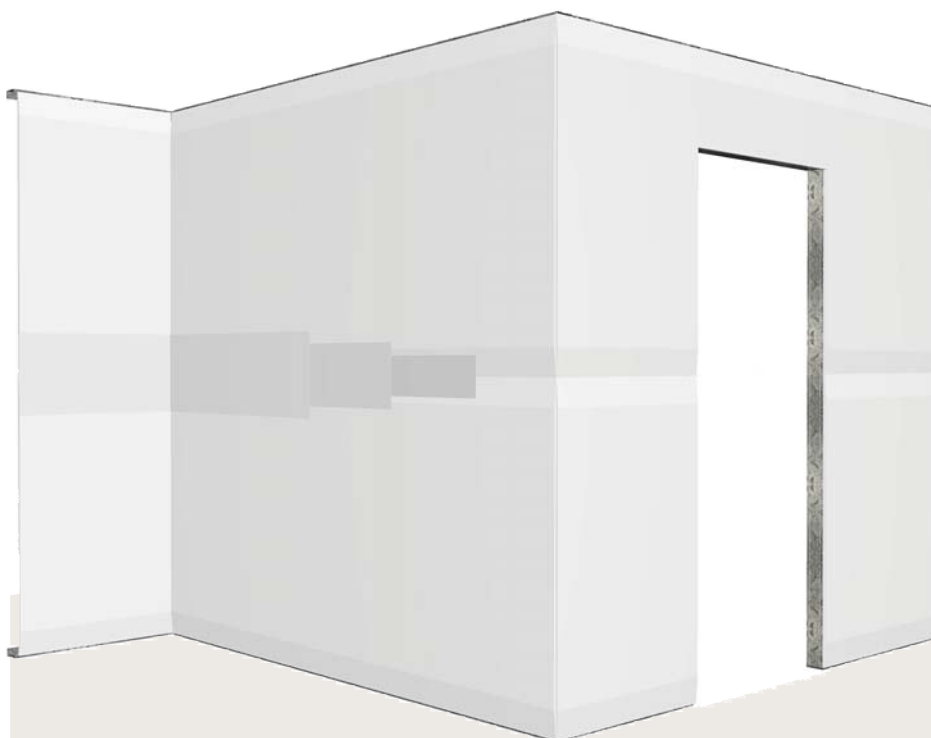


MASTADECO WITH LEVEL+ TECHNOLOGY

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MastaDeco is a unique plasterboard with the whitest and smoothest finish available on the market, and is designed for projects requiring a consistent, premium quality finish. **MastaDeco** has a factory-sealed paper board liner with a unique purpose-designed coating, developed using **LEVEL+** Technology.

There are dedicated **MastaDeco** compounds for jointing, **DecoBase** and **DecoMachine** developed with **LEVEL+** Technology. They are designed to closely match the texture and absorption of the board, creating a uniform and smooth surface.

The complete **MastaDeco** system must be used to deliver the benefits of **LEVEL+** Technology. To achieve the full potential of **MastaDeco**, a specific installation method has been defined using a best practice approach. This installation method along with quality workmanship will result in the best possible Level 4 Finish.

[REFER TO SECTION 3.3 FOR MORE INFORMATION ON SUPERIOR LEVEL 4 FINISH].

GENERAL REQUIREMENTS

TABLE 1
Level of Finish Requirements for Non-Fire Rated Systems

	LEVEL 3	LEVEL 4	LEVEL+™	LEVEL 5
Back-block recessed joints on ceilings with 3 or more recessed joints	Optional	✓ ¹	✓	✓
Back-block recessed joints on ceilings with less than 3 recessed joints	Optional	Optional ¹	✓	✓
Ceiling butt joints permitted on framing members	✓	✗ ²	✗ ²	✗ ²
Wall butt joints permitted on framing members	✓	✗ ²	✗ ²	✗ ²
Minimum number of coats for jointing	2	3	3	3 and Skim Coat
Maximum frame deviation of 90% of area (mm) ³	4	4	3	3
Maximum frame deviation of remaining area (mm) ³	5	5	4	4

- 1 Back-blocking not required for recessed joints on suspended ceiling with no rigid connection at wall/ceiling junction.
- 2 Back-blocking is required on these joints. [FOR MORE INFORMATION, REFER TO SECTION 5].
- 3 Over a 1.8m straight edge the frame must not deviate by more than these values.

FRAMING

Install framing at 600mm maximum centres for both walls and ceilings in general areas.

Install ceiling framing at 450mm maximum centres in areas of intermittent humidity such as bathrooms and external ceilings.



Furring channel systems are recommended for ceilings. They reduce the effect of building movement and compensate for uneven framing.

PLASTERBOARD LAYOUT

Sheet ceilings perpendicular to the framing members and parallel to the light source to reduce the effect of glancing light. Consider the best orientation of the board for the ceiling design and lighting plan.

Install **MastaDeco** horizontally on walls to reduce the effect of glancing light. [FOR MORE INFORMATION, REFER TO SECTION 5.6].

Back-blocking must be completed on all recessed and butt joints, and before jointing commences.

BUTT JOINTS

Minimise butt joints by using long sheets.

Float butt joints between framing members on ceilings and walls.

Stagger ceiling butt joints by at least 600mm min on adjoining sheets and preferable as far as possible.

Stagger wall butt joints by 600mm min on adjoining sheets and on opposite sides of the wall.

Ensure vertical joints on walls are 200mm min from the edge of any opening such as windows and doorways to minimise cracking at the joints.

PLASTERBOARD FIXING

SCREW AND ADHESIVE METHOD

Apply **MastaGrip** Stud Adhesive after the frame is clean, dry, and free from grease, dust and other contaminants.

Apply **MastaGrip** daubs 200mm minimum from screws and plasterboard edges.

Drive screws to just below the sheet surface, taking care not to break the paper linerboard.

i The Screw and Adhesive Method must be used to achieve the best result. Screw and Adhesive Method will:

- › Minimise fastener popping
- › Reduce the number of fastener heads that may show in glancing light
- › Assist in compensating for frame irregularities
- › Reduce rattle noise when applied to bracing straps.

SCREW TYPE AND MINIMUM SIZE FOR THE INSTALLATION OF PLASTERBOARD TO STEEL

PLASTERBOARD THICKNESS	1ST LAYER
10mm	25mm – 6g S screw
13mm	25mm – 6g S screw

For steel up to 0.8mm BMT use Type 'S' fine thread needle point screws.
For steel 0.8mm to 2.0mm BMT use Type 'S' fine thread drill point screws.

SCREW TYPE AND MINIMUM SIZE FOR THE INSTALLATION OF PLASTERBOARD TO SOFTWOOD TIMBER

PLASTERBOARD THICKNESS	1ST LAYER
10mm	25mm - 6g W screw for walls or 30mm - 6g W screw for ceilings
13mm	30mm – 6g Type W screw

For timber use Type 'W' coarse thread needle point screws.

SCREW TYPE AND MINIMUM SIZE FOR THE INSTALLATION OF PLASTERBOARD TO HARDWOOD TIMBER

PLASTERBOARD THICKNESS	1ST LAYER
10mm	25mm - 6g W screw for walls or 30mm - 6g W screw for ceilings
13mm	25mm - 6g W screw for walls or 30mm - 6g W screw for ceilings

For timber use Type 'W' coarse thread needle point screws.

FIGURE 1
Non-fire rated 1 layer
Screw and Adhesive Method

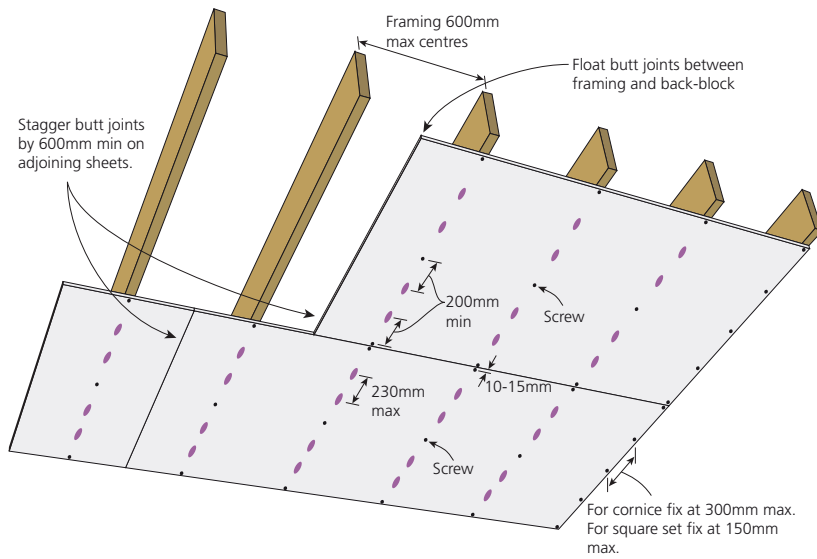
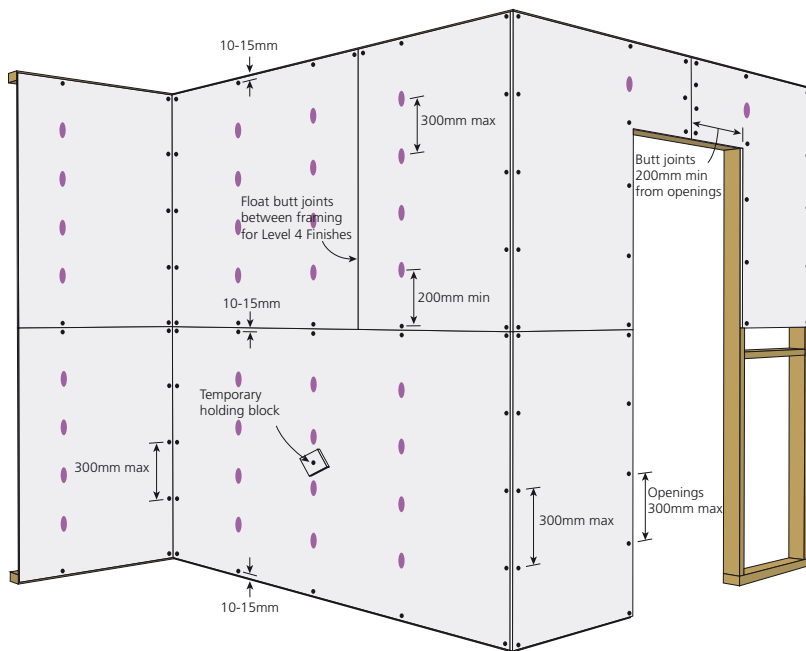


FIGURE 2
Non-fire rated 1 layer - Horizontal
Screw and Adhesive Method



Framing	Timber or Steel Joists or Steel Furring Channel
Fixing	Screw and Adhesive Method
Perimeter	Perimeter screws 10-15mm from sheet edges.
Field	Adhesive daubs 25mm diameter and 15mm high, spaced at 230mm max centres and 200mm min from fastener points and plasterboard edges. 1200mm wide sheet: 4 daubs 1350mm wide sheet: 4 daubs [On 1350mm wide sheets use temporary fasteners until adhesive sets.]
Centreline of sheets	Screw at centreline of sheet on each framing member.
Recessed Edges	Fix on each framing member.
Float all butt joints	Locate centrally between framing members and back-block. Stagger butt joints by 600mm min on adjoining sheets.
Wall abutment	Cornice: Screw fix at 300mm max centres or Nail fix at 200mm max centres. Square Set: Fix at 150mm max centres.
Openings and control joints	Screws: Fix at 200mm max centres.
Sealant	Use sealant on all gaps and around perimeter to maintain acoustic integrity.

Framing	TIMBER OR STEEL STUDS
Fixing	Screw and Adhesive Method
Sheet Layout	Horizontal
Perimeter	Timber: Perimeter screws 10-15mm from sheet edges. Steel: Perimeter screws 10-15mm from sheet edges except at top and bottom tracks. Plasterboard must not be fixed to top and bottom tracks.
Field	Adhesive daubs 25mm diameter and 15mm high, spaced at 300mm max centres and 200mm min from screws and plasterboard edges. Timber: Temporary holding blocks or fastener on every second stud recommended. Steel: Fix one screw at mid-height of sheet on every second stud.
Recessed Edges	Fix on each stud.
Butt Joints	Float butt joints between studs and back-block. Stagger butt joints by 600mm min on adjoining sheets and on opposite sides of the wall.
Internal and External Corners	Fix at 300mm max centres.
Openings	Fix at 300mm max centres.
Sealant	Use sealant on all gaps and around perimeter to maintain acoustic integrity.
Plasterboard Width (mm)	SCREW AND ADHESIVE PATTERN
1200	S A A A A S
1350	S A A A A A S
	S = Screw A = Adhesive

JOINTING

Back-block all recessed and butt joints before jointing commences. For **MastaDeco** a three coat jointing system must be used, consisting of **DecoBase** for the bedding and second coats and **DecoMachine** for the finish coat.

Use paper tape with **MastaDeco**.

Set internal and external corners with **DecoBase** and **DecoMachine**.

[REFER TO SECTION 5.3 FOR MINIMUM COAT WIDTHS].

Lightly sand to a smooth even surface using a sand paper of between 150 and 220 grit, to suit the desired method of sanding. Sanding is a critical part of achieving a high quality finish.

[FOR MORE INFORMATION ON JOINTING REFER TO SECTION 5.3].



For installing cornice to **MastaDeco**, use high grip cornice cement **MastaSmooth**.

PAINTING

Apply a three coat paint system in accordance with Australian Standard AS/NZS 2311, *Guide to the painting of buildings*. Both the quality of the paint and how it is applied have a large effect on the finished appearance of the plasterboard.

Follow the paint manufacturer's instructions for application. To achieve the best result it is strongly recommended that each coat of the three coat paint system be roller applied.

[FOR MORE INFORMATION ON PAINTING REFER TO SECTION 5.5].



MastaDeco is UV resistant, and so will not become discoloured if it has been exposed to direct sunlight, or has been fixed and left painted for long periods.

The **LEVEL+** coating also makes **MastaDeco** walls and ceilings easy to clean and prepare for painting. **MastaDeco** is much easier to paint than a standard Level 4 wall or ceiling, with the uptake of paint being more uniform and consistent across the surface.