PRÎMA

PRÎMA *flushjointceiling*

Hume Cemboard Industries

A Member of the Hong Leong Group

Features

PRIMA *flushjointceiling*

The Right Choice for Your Ceiling Solution

Applications:
Residential (Dry or Wet Area), Hospital / Health Care Centres, Laboratory, Bathroom, Retail Store, Office, Conference Room, Corridors, School, Living Room, Bedroom, Offices, Retail Shops

PRIMA*liner* FJC for interior applications is a ***4.5mm thickness x 1220mm x 1830mm*** fibre cement board with ***4*** sided rebated edges, while for exterior applications is a ***6mm thickness x 1220mm x 2440mm*** fibre cement board with ***2*** sided rebated edges. It is specifically formulated and designed as a ceiling lining for PRIMA*flushjointceiling* system.

With its water and impact resistant properties, this system is designed for indoor & outdoor seamless ceiling application.

PRIMA*flushjointceiling* system is suitable for internal ceiling applications in dry and wet areas where the clear distance between roof and ceiling board level is at least ***600mm***. In addition, roof system must incorporate bulk insulation such as fiberglass or mineral wool. Most importantly this board do not contribute to any safety and health risk.

***This system is not recommended for narrow eaves (eaves with less than 600mm average clearance).*

Product Benefits

- Simple Installation
- Suitable for Wet or Dry Area Ceiling
- Strong and Durable
- Cost Efficient
- Smooth and Flat Seamless Joint Finish
- Aesthetically Appealing
- Hazard Free
- Fire, Fungus and Termite Resistant
- Versatile
- Ideal Substrate for Paint Coating
- Low Maintenance
- Water Resistance and Low Moisture Movement

System Components

PRIMA*liner* FJC
These boards are manufactured in standard sizes of ***4.5mm x 1220mm x 1830mm*** and ***6mm x 1220mm x 2440mm.***

Ceiling Batten
Light Gauge Cold-Formed Galvanised Steel C-Section ***34mm (width) x 12mm (depth) 0.35mm (base metal thickness).***

Gypsum Screw
A Class 1 Finish ***No.6 x 25mm*** long for Frame System Assembly.

PRIMA*liner* FJC Screw
Countersunk Self-Embedding Head, Needle Point or Self-Drilling Screws' size ***No.6 x 19mm*** long.

Jointing Compound
Gypsum Powder or Ready-Mixed Jointing Compound for Interior applications. Exsulite Render Mixed and AA Putty Filler-H for exterior applications.

Reinforcement Tape
50mm width high strength special Cross-Fiber Perforated Paper Tape for interior applications or Fiberglass Tape for exterior applications.

Fixing Method

1. Installation Specification

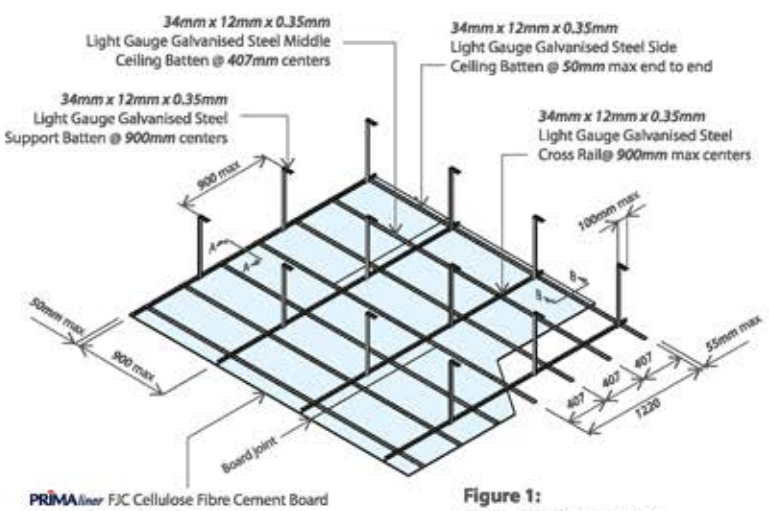


Figure 1:
Typical Ceiling Layout

Figure 1a
A'- A'
SECTION DETAIL

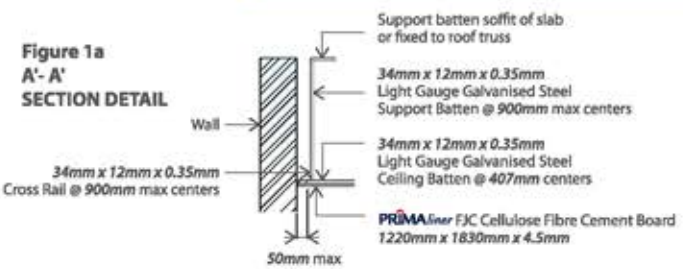
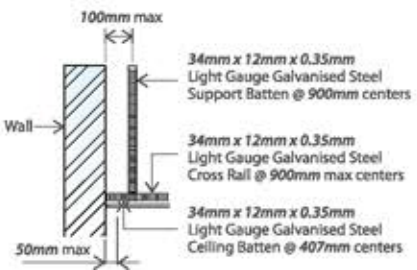


Figure 1b
B'- B'
SECTION DETAIL



Fixing Method

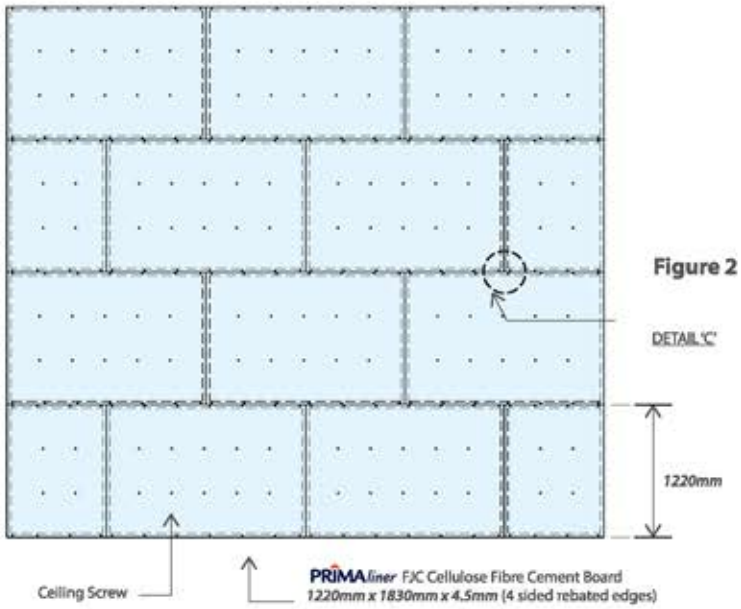
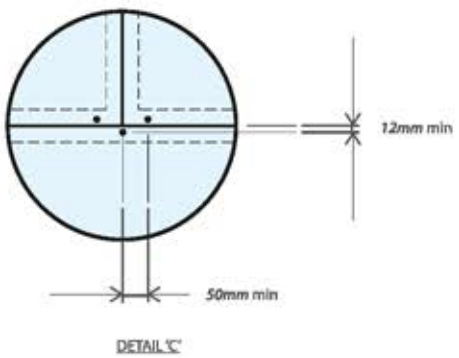


Figure 2

2. Board Installation

Board shall be in staggered pattern arrangement

Figure 2a



3. Fastener Fixing Distance

Place fasteners ***12mm*** from board edges and ***50mm*** from corners. Fasteners must be spaced maximum ***300mm*** centres at the board perimeter and intermediate framing.

4. Flush Joint Detail

Board joint can be treated by incorporating the Perforated Paper Jointing Tape and Gypsum Joint Compound. Best result can be achieved when both board edges have recesses. If it becomes necessary to flush set over no recessed edges, the Bedding Layer, First Coat and Finishing Coat should be broadened to fill the joined ***200mm*** and ***300mm*** respectively. Lightly sand the Board Joint when dry to get a smooth finish before painting.

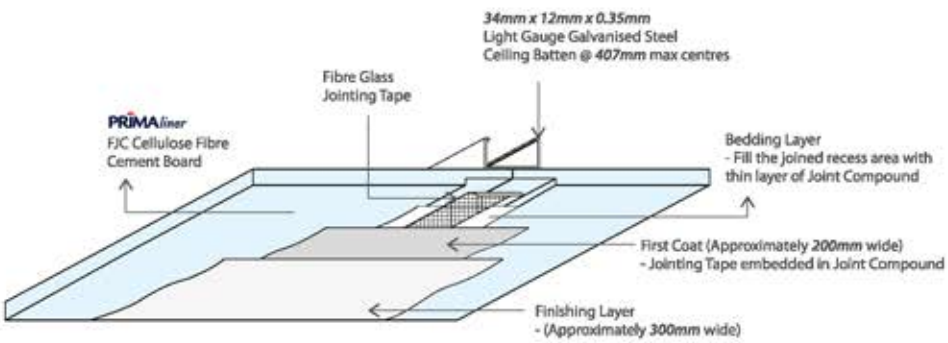
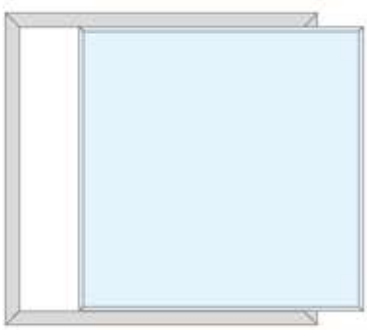


Figure 3:
Access Panel Detail



5. Painting

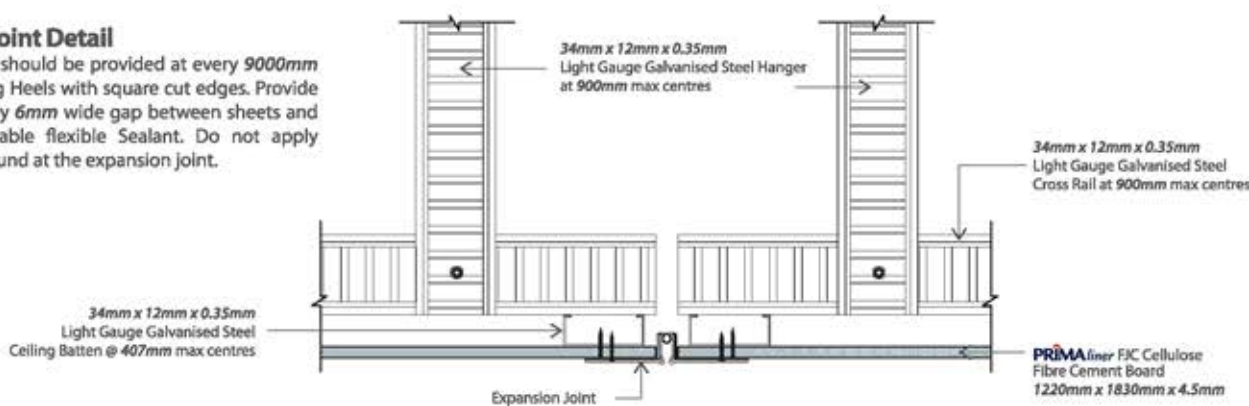
After the sanding process, the board must be painted with a minimum of 2 layers water-based Arcylic Paint. Make sure the board surface is in smooth condition and free from dust or any contaminant.

6. Access Panel Detail

Two sizes are available: ***300mm x 300mm*** and ***450mm x 450mm***.
(Please refer to HCI for further information.)

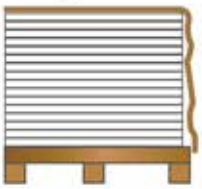
7. Expansion Joint Detail

Expansion Joint should be provided at every ***9000mm*** c/c formed using Heels with square cut edges. Provide an approximately ***6mm*** wide gap between sheets and seal with paintable flexible Sealant. Do not apply Jointing Compound at the expansion joint.



Handling & Finishing

Storage



- Store sheet neatly on a flat surface supported evenly with bearers spaced at ***600mm*** centres maximum, clear the ground to avoid damage and moisture ingress. Store under cover and ensure boards are dry prior to fixing. Never install damp boards. Damp boards must be allowed to dry to Equilibrium Moisture Content (EMC) before fixing.

Handling

- Always ensure at least 2 persons are lifting the board at the same time in an upright position.
- Do not hold on each end on edge.
- Exercise care when handling **PRIMA***liner* FJC to avoid damaging the corners.

Opening

Forming Round Opening

A round opening can be obtained by drilling a series of small holes at the perimeter of the opening, and tapping out the waste using a hammer. Ensure that the back face of the sheet around the opening is properly supported.

Forming Rectangular Opening

A large rectangular opening may be made using the method outlines as follow:

- Score around the perimeter of the rectangular opening using a score-and-snap knife.
- Drill a large circular hole at the centre of the rectangular opening.
- Saw cut from the centre of the opening to each corner of the rectangular opening.
- Snap the waste piece upward. Or use power cutter to cut at the perimeter of the rectangular opening.

Cutting

Dry cutting with power tools should be perfomed in a high-ventilated area or open-air situation using a Power-Saw fitted with Dust-Extracting attachments.

The board may be cut using special Tungsten-Tipped Scoring Knife or any power cutting tools. The following methods may be used for cutting **PRIMA***liner* FJC Board;

Score & Snap

Hand Guillotine

Machine Cut

Notching

Rebating

Use the Angle Grinder equipped with Diamond-Tipped Saw Blade to form recess/rebated edge on cut sheets. The nominal board thickness is ***4.5mm*** and the minimum board thickness at the rebated edges should be ***3.7mm***.

Finishing

In order to achieve excellent aesthetic finishing, it is recommended to use 100% water-based quality Acrylic Paints. Generally a minimum of 2 coats is required. Do not use solvent-base paint. There is no need to apply Primers or Sealers. In any case, coating manufacturers' recommendation must be adhered to.

WARRANTY

Hume Cemboard Industries Sdn Bhd ("the Company") warrants that it will at all times ensure that the products referred to herein ("the Products") shall be supplied by it to the purchaser free of any manufacturing defects and defective materials used in their manufacture.

In the event and if contrary to this assertion the Products prove to be defective, whether as a result of manufacturing defects or arising from the Company's use of defective materials, the Company will supply replacement Products. The Company shall, however, have the option and may choose to reimburse the purchaser the purchase price of the Products instead. The Company shall not be liable for any economic or consequential losses arising from any use of defective Products.

This warranty shall be void unless the purchaser has, in its handling and installation of the Products, complied with the recommendations contained in this brochure and other good building practices expected of a reasonable purchaser.

ADVISORY NOTE

Successful installations of Hume Cemboard Industries Sdn Bhd's Products depend on a large number of factors that are outside of the scope of this brochure. Particular design, detail, construction requirements and workmanship are beyond the control of the Company. As such, Hume Cemboard Industries Sdn Bhd's warranty does not extend to non-usability of Products or damage to Products arising from poor or defective designs or systems or poor quality of workmanship in the installation of Products.

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