

**PRIMA**<sup>TM</sup>  
FIBRE CEMENT BUILDING SOLUTIONS



International

**PRÎMA***lux*<sup>TM</sup>

  
SAINT-GOBAIN

## Features



# PRIMA<sup>lux</sup>™

## Ceiling and Internal Linings

PRIMA<sup>lux</sup>™ is an autoclaved cellulose fibre reinforced cement flat sheet, manufactured by Saint-Gobain Prima Sdn Bhd – an MS ISO 9001:2008 Quality System accredited manufacturer. PRIMA<sup>lux</sup>™ is sanded and is available with arrised edges for neat butt joint or PVC joints.

## Applications

PRIMA<sup>lux</sup>™ is designed specifically for wall and ceiling lining applications.

When installed as an internal wall lining, PRIMA<sup>lux</sup>™ is suitable for dry and wet area applications (where flush joint is not required). Making it an ideal substrate for wall tiles.

Additionally, PRIMA<sup>lux</sup>™ can be applied as soffit and ceiling linings where a superbly flat and smooth surface coupled with elegantly designed expressed joints are the criteria.

## Material composition

Top grade cellulose fibre, finely ground sand, portland cement and water.

## Standard Sizes and Mass

The approximate masses at Equilibrium Moisture Content (EMC) of 7% at a temperature of 27°C and 65% to 95% RH are:-

- 4.5mm sheet - 6.7kg/m<sup>2</sup>
- 6.0mm sheet - 8.8kg/m<sup>2</sup>

Density at EMC is 1390kg/m<sup>3</sup>

## Fire Resistance

PRIMA<sup>lux</sup>™ has achieved the following indices when tested in accordance with Australia Standard AS 1530.3 - 1989:-

- Ignition Index 0
- Spread of Flame Index 0
- Heat Evolved Index 0
- Smoke Developed Index 0 - 1

With reference to the Building Code of Australia, PRIMA<sup>lux</sup>™ is deemed non-combustible

## Framing Requirement

PRIMA<sup>lux</sup>™ can be fixed to timber or steel framing. Timber framing must be constructed in accordance with AS 1684-Residential timber-framed construction. For steel framing application, refer to AS/NZS 4600-Coldform steel structure.

Support framing must be spaced as follows:-

- 4.5mm thick PRIMA<sup>lux</sup>™ - 450mm max. centres
- 6.0mm thick PRIMA<sup>lux</sup>™ - 600mm max. centres

## Framing & Fixing Specifications

Support framing must have at least a 38mm wide face to provide adequate support for PRIMA<sup>lux</sup>™ sheets. Where necessary, the face width may be increased by providing trim-packing to the side of the support.

Timber framing should be thoroughly dry and selected to minimize shrinkage when sheets are installed.

Steel frame thickness should be 0.55mm BMT to 1.55mm Base Metal Thickness.

# Fastener Specification

## Fixing to Timber



- 2.8mm x 30mm Galvanised Fibre Cement Nails

## Fixing to Steel Frame (0.55mm to 0.75mm Base Metal Thickness)



- Self-embedding Head, Self-drilling Screws
- 8 gauge - 18 x 20mm for fixing 6.0mm PRIMA<sup>lux</sup>

## Fixing to Steel Frame (0.75mm to 1.55mm Base Metal Thickness)



- Self-embedding Head, Self-drilling "Wing Tek" Screws
- 8 gauge - 18 x 20mm for fixing 6.0mm PRIMA<sup>lux</sup>

Note:

1. Drive fasteners flush with the sheet surface.
2. Screws must have adequate corrosion resistance property, i.e. Class 3.

## Jointing

Alternatives of PRIMA<sup>lux</sup>TM sheet jointing methods are shown in Figure 4 and Figure 5.

## Fixing Distances

PRIMA<sup>lux</sup> fixings are to be a minimum of 12mm from sheet edges and 50mm from corner of sheet. The fastener spacings must be as follows:-

Application	Intermediate Framing Member	Elsewhere
Wall Lining	200mm	200mm
Ceiling, Eaves and Soffit	200mm	200mm

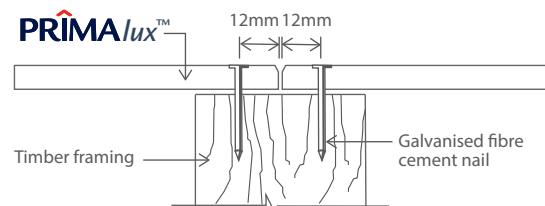


Figure 4: Butt Joint

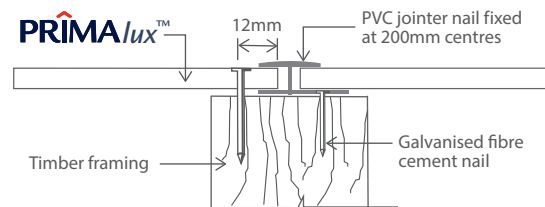


Figure 5: PVC Joint

## Sheet Fixing Illustrations

When applied as internal wall lining, PRIMA<sup>lux</sup> may be installed vertically, ensuring that the sheet joint coincides with the centre of supporting frame as shown in Figure 1.

For ceiling, eaves and soffit lining applications, PRIMA<sup>lux</sup> can be fixed across or parallel to the supporting frame. Sheet butt joints must coincide with centre of supporting frames if PVC jointer is not utilized. Refer to Figure 2 and Figure 3.

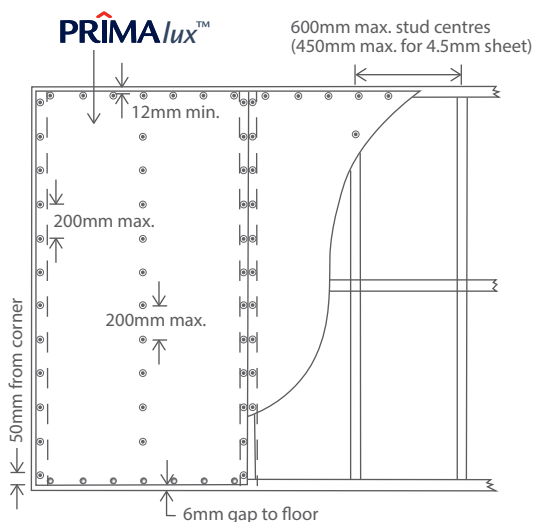


Figure 1: PRIMA<sup>lux</sup> Wall Lining

## Handling & Finishing

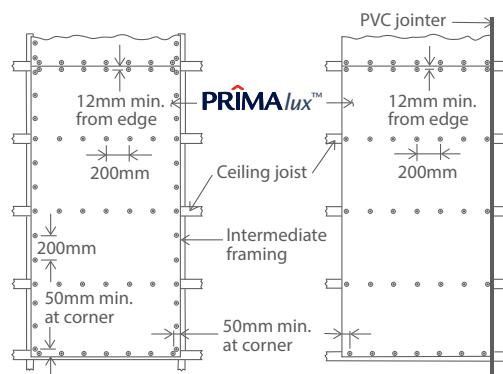
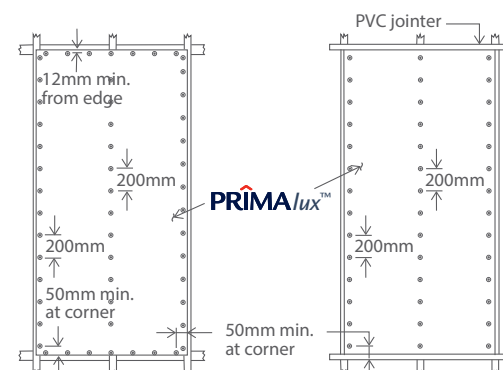


Figure 2: PRIMA<sup>lux</sup> laid across main joists



## Corners (Wall Lining)

Internal and external may be finished with PVC corner moulds as described in Figure 6 and Figure 7.

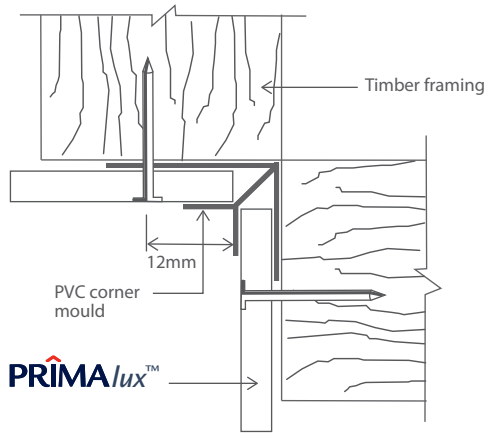


Figure 6: Internal Corner

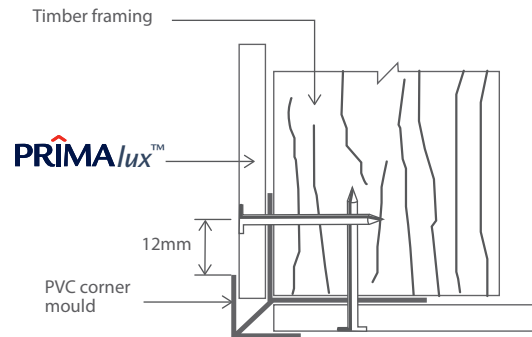


Figure 7: External Corner

## Finishes

PRIMA/lux™ smooth surface is ideal for water based acrylic paint. Generally, a minimum of 2 coats is required. Other types of coating such as polyurethane or epoxy paint are also suitable. In all cases, coating manufacturer's recommendation must be adhered to.

AS/NZS  
2908.2

ASTM  
C1186

Fire Resistance  
AS 1530.3

Termite Resistance -  
tested by CSIRO



Termite Resistant



Fire Resistant



Water Resistant



Weather Resistant



Environmentally  
Friendly



Superior Paint  
Adhesion



High Workability



Aesthetically  
Pleasing



50 Years  
Durability

For more information, please contact us at:



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