

PRIMA™
FIBRE CEMENT BUILDING SOLUTIONS

International

PRIMA plank™


SAINT-GOBAIN



What is PRIMAplank™ ?

PRIMAplank™ is an autoclaved cellulose fibre reinforced cement siding manufactured in accordance with AS/NZS 2908.2 Cellulose Cement Products: Flat sheets.

Manufactured from Portland cement, cellulose fibre, finely ground sand and water, PRIMAplank™ has become extremely popular when a relatively maintenance free timber planking appearance is desired.

In the current residential building construction, PRIMAplank™ satisfies the vast array of building configurations and designs.

Durability, flexibility and creativity are among the basic characteristics which PRIMAplank™ offers. These attributes are derived from a combination of the strength of concrete, durability of fibre cement and beauty of real wood.

PRIMAplank™ is a 7.5mm thick siding board and is available in 4 profiles, namely PRIMAplank™ Woodgrain, PRIMAplank™ Smooth, PRIMAplank™ Cedar and PRIMAplank™ Pinewood.

What is PRIMAplank™ for?

PRIMAplank™ is designed for external wall and gable end cladding applications for traditional timber look and to add character and depth to flat mundane surfaces. Additionally, PRIMAplank™ makes a perfect match for fascia board around your roof perimeter.

PRIMAplank™ is not recommended for applications where it will be subjected to still water.

The PRIMAboard™ Advantage



Installing PRIMAplank™

How to Construct PRIMAplank™ Framing?

PRIMAplank™ must be supported at 600mm maximum centres. The minimum stud face width at PRIMAplank™ joint shall be as follows:-

- Timber framing- 42mm
- Steel framing- 38mm

When fixing on narrow stud and on-stud jointing is preferred, stud face width must be increased to provide adequate edge fixing distance.

How to Fix PRIMAplank™ ?

PRIMAplank™ is normally applied horizontally with a minimum of 25 mm overlap. When applied onto timber framing, PRIMAplank™ must be nailed through both thicknesses. Framing timber should be thoroughly dried and selected to minimize shrinkage when planks are installed. Refer to Figure 2.

Steel framing must be fabricated from galvanized light gauge steel of a minimum of 0.55mm to 1.60mm base metal thickness. Drive screw through the top plank only, refer to Figure 3.

How Fire Resistant is PRIMAplank™ ?

PRIMAplank™ has been tested by CSIRO Australia to AS 1530.3 - 1989 and has achieved the following indices.

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

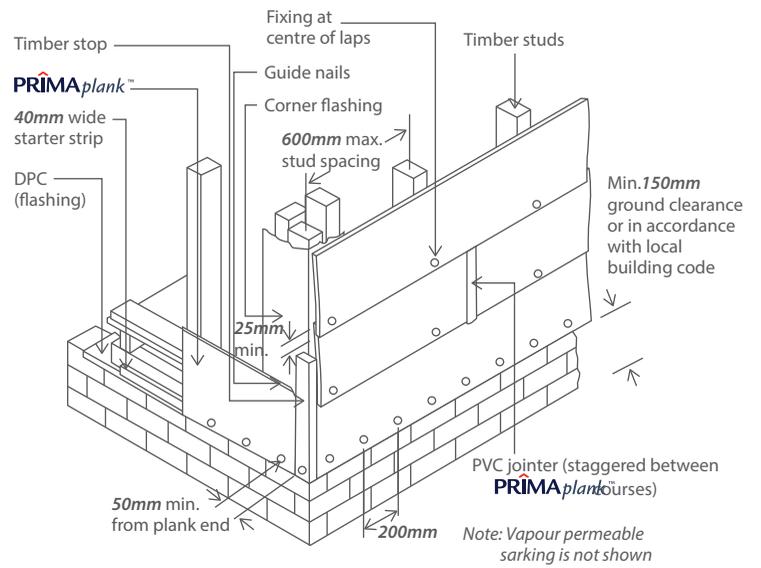


Figure 1: Horizontal Planking

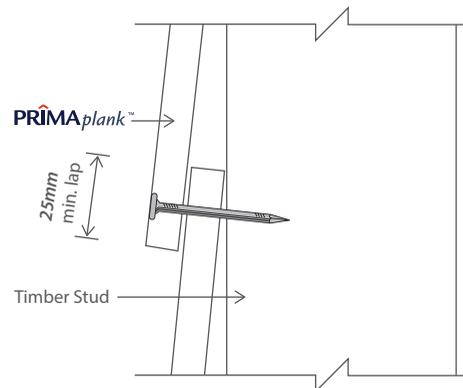


Figure 2: Fixing to Timber Frame

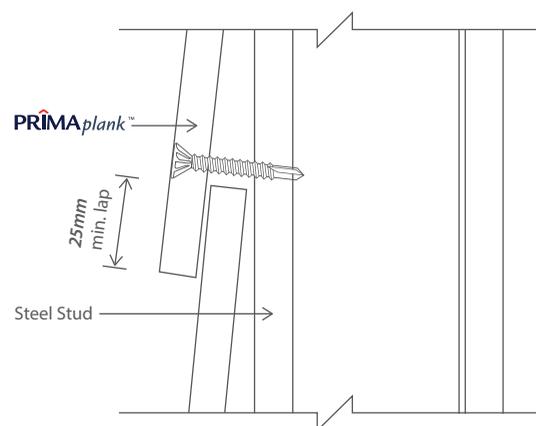


Figure 3: Fixing to Steel Frame

Installing Primaplanck™ PRIMAplank™

How to Do Jointing with PRIMAplank™?

PRIMAplank™ “off-stud” jointing method incorporates proprietary PVC jointer between planks ends. Joints must be staggered at a minimum of 600mm between each successive plank course. Ensure plank length is sufficient for fastening to at least two studs. Refer to Figure 4.

“On-stud” jointing can be achieved by butt jointing the PRIMAplank™ end at the centre of the stud. Provide a 3mm gap at the PRIMAplank™ joint if gap is to be sealed with compatible exterior grade paintable/flexible sealant. If no sealant is to be applied, butt joint PRIMAplank™ ends with moderate contact. Joints should preferably be staggered. Refer to Figure 5.

What Corners to Use with PRIMAplank™ ?

Internal and external corners may be finished with timber stops, proprietary metal corners or PVC corner mouldings (as illustrated in Figure 6 and Figure 7). Alternatively, when timber posts are utilized, planks ends can be abutted to the side of the posts. Provide 3mm gap and seal gap with flexible sealant.

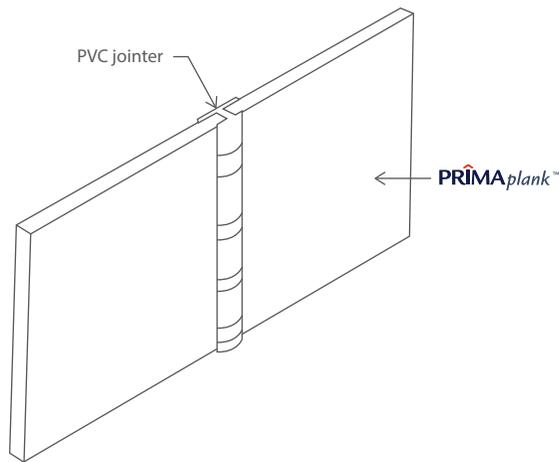


Figure 4: Off-stud Joint

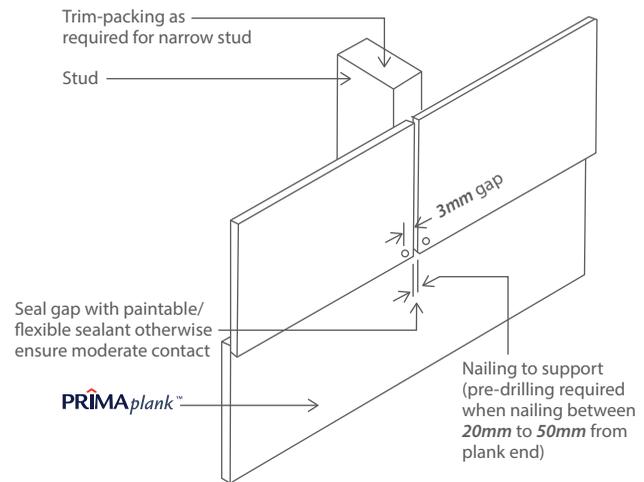


Figure 5: On-stud Joint

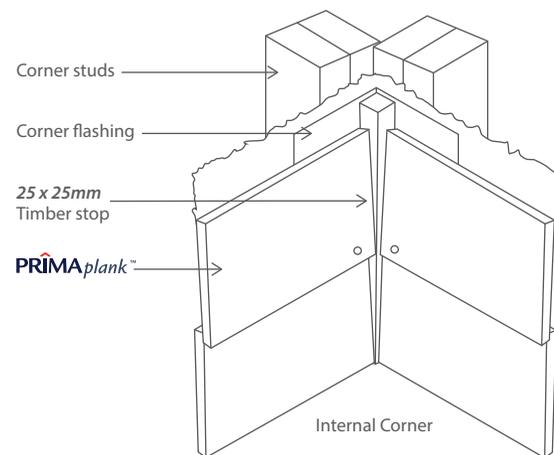
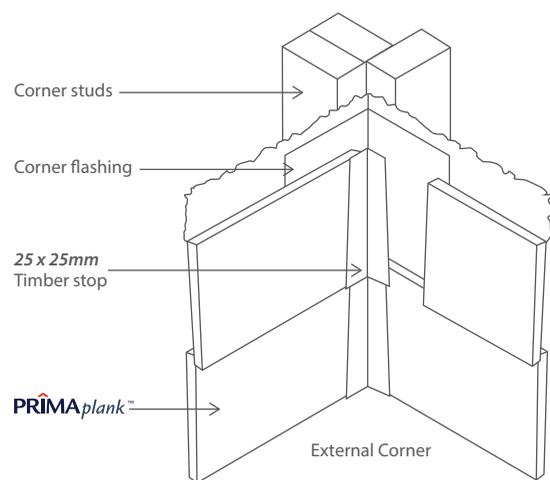


Figure 6: Timber Stop Corners

Installing PRIMAplank™

How to do Flashing and Sarking with PRIMAplank™ ?

It is good building practice to apply flashing material at corners, above the head and under the sill of an opening prior to fixing any planks. Vapour permeable sarking (building paper) should be installed under PRIMAplank™ siding board when desired or as required by local building regulations.

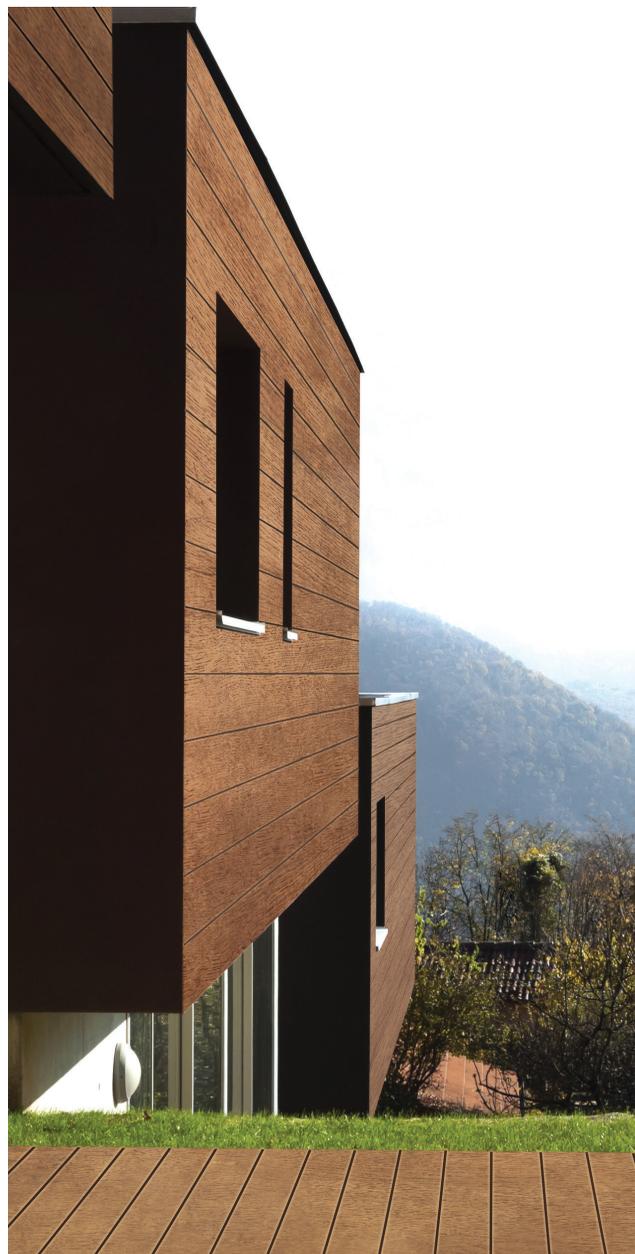
How to Coat PRIMAplank™?

Under normal circumstances, PRIMAplank™ must be coated within 3 months after installation. PRIMAplank™ should be finished with a minimum of 2 coats of exterior grade paint that is compatible with fibre cement cladding. In all cases, paint systems must be applied and maintained as per coating manufacturer's written instructions.

How are PRIMAplank™'s Sizes and Mass Measured?

PRIMAplank™'s standard thickness is 7.5mm. Its mass at Equilibrium Moisture Content (EMC) of 7%, temperature at 27°C +/- 2°C with relative humidity of 65% to 95% is approximately 11kg/m².

PRIMAplank™ 7.5mm: External Siding Board		
Profile	Length (mm)	Width (mm)
Cedar	3660	209
Smooth / Woodgrain	4200	230
		300



How to Fasten PRIMAplank™ ?

Fasteners to Timber

2.8mm \varnothing x 40mm
Galvanised fibre cement nails

**Fasteners to Steel
0.55mm - 0.75mm base
metal thickness**

No. 8 x 30mm Self-embedding
head, self-drilling screws

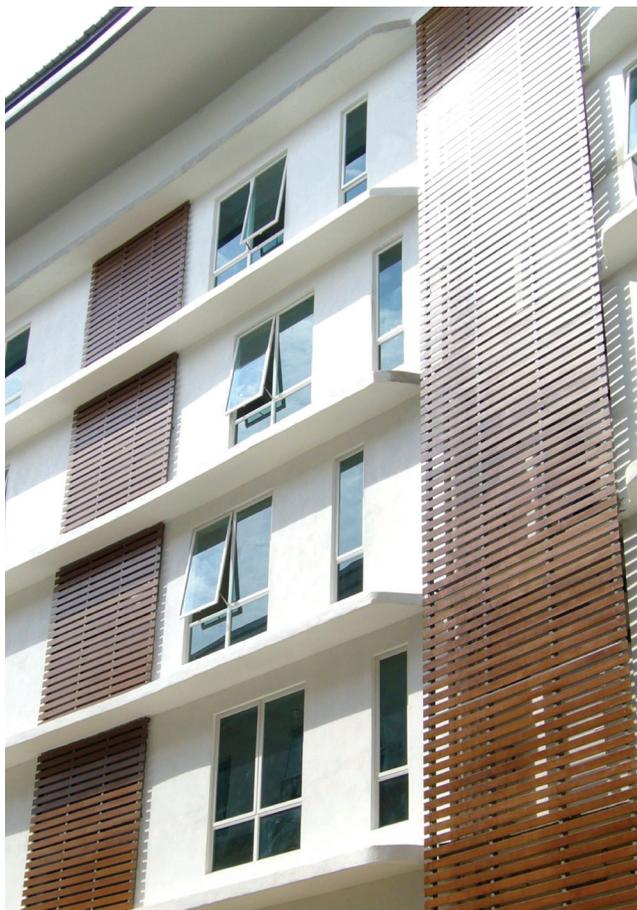
**Fasteners to Steel
0.80mm- 1.60mm base
metal thickness**

No. 8 x 30mm Self-embedding
head, self-drilling, wingteks screws

Notes: 1. Fasteners must have a minimum of Class 3 corrosion resistance property or suitably coated for exterior application purposes.
2. Contact fastener manufacturer for applications near coastal areas within 1km of shoreline or area susceptible to salt water exposure and other highly corrosive environments.
3. Pre-drill a 3mm diameter pilot hole when nailing between 20mm to 50mm from PRIMAplank™ end.

PRIMAplank™ Course Reckoner

Wall Height (25mm Overlap)			
Courses	209mm Plank Cedar	230mm Plank Smooth/Wood Grain	300mm Plank Smooth/Wood Grain
1	209	230	300
2	393	435	575
3	577	640	850
4	761	845	1125
5	945	1050	1400
6	1129	1255	1675
7	1313	1460	1950
8	1497	1665	2225
9	1681	1870	2500
10	1865	2075	2775
11	2049	2280	3050
12	2233	2485	3325
13	2417	2690	3600
14	2601	2895	3875
15	2785	3100	4150



How to Use PRIMAplank™ Course Reckoner?

Table 1 is provided to assist in calculating the number of planks required to cover a given wall area.

The number of PRIMAplank™ required is derived by:

$$\text{No. of Planks} = \frac{(\text{No. of Courses} \times \text{Wall Length})}{(\text{Plank Length})}$$

$$24 \text{ Planks} = \frac{(11 \text{ Courses} \times 8\text{m Wall Length})}{(3.6\text{m Plank Length})}$$

Notes: 1. Table 1 is applicable for wall with rectangular area.
2. For triangular area, the plank quantity should be divided by two.
Add 10% to include cut-offs.

For example: A wall that is 3000mm high x 8m long clad in 300mm PRIMAplank™ with 25mm overlap, would require 24 planks @ 3.6m length.

Estimated quantity including 5% cut-offs:-

$$24 \text{ Planks} + 1.2 = 25 \text{ Planks}$$



AS/NZS
2908.2

ASTM
C1186

Fire Resistance
AS 1530.3

Termite Resistance -
tested by CSIRO



CERTIFIED TO ISO 9001:2008
CERT. NO. : AR0430



CERTIFIED TO ISO 14001:2004
CERT. NO. : ER0642



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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