



prima flex™

Features



prima flex™

Smooth & Flat Sheet

Multipurpose for Internal & External application

prima flex™ is the first choice in flat sheets of multipurpose fibre cement board among industry professionals for ceilings, partitions, gable ends, wall cladding, paneling and other building applications.

prima flex™ has a unique combination of physical and mechanical properties that make it superior to other boards.

prima flex™ is autoclaved for superior durability, flexibility and outstanding dimensional stability. Quality has never been better with the state-of-the-art technology and ultra modern processes employed in the manufacturing of **prima flex™**.

prima flex™ performs exceptionally well when all aspects of good design detailing and workmanship are met. **prima flex™** has demonstrated strong resistance to termite attack based on client Report No. 1844, tested by CSIRO Forest Biosciences.

Product Benefits

- Termite Resistant
- Structurally Strong
- Fire Resistant
- Cost Effective
- Weather Resistant
- Light Weight
- Excellent Workability
- Strong and Durable
- 100% Asbestos Free
- Fungus Resistant
- Low Maintenance
- Impact Resistant
- Dimensionally Stable
- Smooth, Flat and Uniform Surface
- Excellent Sound Insulation
- Better Heat Insulation

Properties

Values

Product Composition	<ul style="list-style-type: none"> • Top Grade Cellulose Fibre • Finely Ground Sand • Portland Cement • Water 	
Nominal Density	EMC = 1390kg/m ³	
Moisture Content	EMC = 7% Saturation = 33%	
Moisture Movement	0.08% (EMC to Saturated)	
Minimum Bending Strength, MoR	Dry = 14MPa min ; Wet = 7MPa min	
Average Modulus of Elasticity, MoE	Dry = 6GPa ; Wet = 4GPa	
Fire Rating	Class O (BS 476 Part 6 & 7)	
Fungus Resistance	Passed (ASTM G21)	
Termite Resistance	Resistance to Damage (Field evaluation conducted by CSIRO)	
Frost Resistance	Passed (AS/NZS 2908.2, MS 1296, ISO 8336, BS EN 12467, ASTM C1186)	
Heat Rain Resistance	Passed (AS/NZS 2908.2, MS 1296, ISO 8336, BS EN 12467, ASTM C1186)	
Surface Coating	Pre-Primed available	
Thermal Conductivity, k Value (Mean temperature of 41.93°C)	0.24W/mK	
Sound Transmission Class* (Estimated based on mass)	4.5 mm - 26 dB	16.0mm - 35 dB
	6.0 mm - 28 dB	18.0mm - 36 dB
	7.5 mm - 29 dB	20.0mm - 37 dB
	9.0 mm - 31 dB	
	12.0mm - 33 dB	

Product sizes and Mass per sheet (kg), based on nominal density

Width (mm)	Length (mm)	Thickness (mm)								
		3.2	4.5	6	7.5	9	12	16	18	20
603	1213	3.25	4.58							
610	1220	3.31	4.65	6.21						
1220	1220	6.62	9.31	12.41						
	2440		18.62	24.83	31.03	37.24	49.65	66.20	74.48	82.76

Note:

- Some products listed may not be available in all areas. Please check with your PRIMA Sales Representative for availability.
- Certain products may require a longer lead time or are subject to minimum order quantities (MOQ).
- For special size requests, please contact our friendly PRIMA Sales Representatives (MOQ, terms and conditions apply).

Applications

prima flex™
for Every Requirement



Ceiling, Eaves & Soffit Linings

prima flex™ offers versatility and high workability.

Recommended thickness:
3.2mm, 4.5mm & 6.0mm



Flooring

prima flex™ makes remarkably impact-resistant and hard-wearing floors.

Recommended thickness:
16.0mm & 20.0mm



Wall Cladding (Internal & External)

prima flex™ is suitable for wall claddings, both internal and external. Economical and durable.

Recommended thickness:
9.0mm, 12.0mm, 16.0mm & 20.0mm



Permanent Formwork

prima flex™ is ideal for heavy duty applications such as permanent formwork. By using fibre cement the challenges of conventional formwork can be overcome, such as the use of plywood, difficulty and costliness in erecting scaffolding and rough surface finishing.

Recommended thickness:
16.0mm & 20.0mm



Water Tank Support

prima flex™ with high durability, plus its superior resistance to water, mould and termites, also make **prima flex™** the ideal material for water tank support.

Recommended thickness:
12.0mm, 16.0mm & 20.0mm



Roof Sarking

With the exceptional heat-insulation, sound-insulation and water-resistance properties, **prima flex™** is the preferred choice for roof sarking application.

Recommended thickness:
9.0mm, 12.0mm & 16.0mm



Partition & Pocket Wall

prima flex™ with its superior impact-resistance, fire-resistance and sound insulation properties. Its amazing resistance to water and mould also make it better than either plywood or gypsum, especially for areas with adjoining bathrooms and kitchens, or in situations where the exposure to moisture is high.

Recommended thickness:
6.0mm, 7.5mm, 9.0mm & 12.0mm

Framing & Fixing Specifications

Framing Requirement

prima flex™ sheets are suitable for fixing to timber or light gauge steel frames. Construction of framing shall be in accordance with local building practices.

- Stud spacing - 407mm/ 400mm maximum, for 4.5mm sheets and 610mm/ 600mm maximum for 6mm sheets and above
- Nogging spacing - 1220mm/1200mm maximum

Stud and nogging face width:-

- Timber - 45mm minimum
- Steel - 38mm minimum

Where necessary, the face width may be increased by providing trim-packing to the side of the studs and noggings

Refer to **prima flex™** Technical Manual for complete installation detail.

Fastener Specification

Table below shows the suitable type of the fastener on the right framing:

Fixing to Timber Support

Galvanised Fibre Cement Nails



- Min 2.0mmØ x 25mm for 3.2mm and 4.5mm thick boards
- Min 2.0mmØ x 30mm for 6.0mm and 7.5mm thick boards
- Min 2.0mmØ x 40mm for 9.0mm and 12.0mm thick boards

Fixing to Steel Support

(0.75mm to 1.55mm Base Metal Thickness)

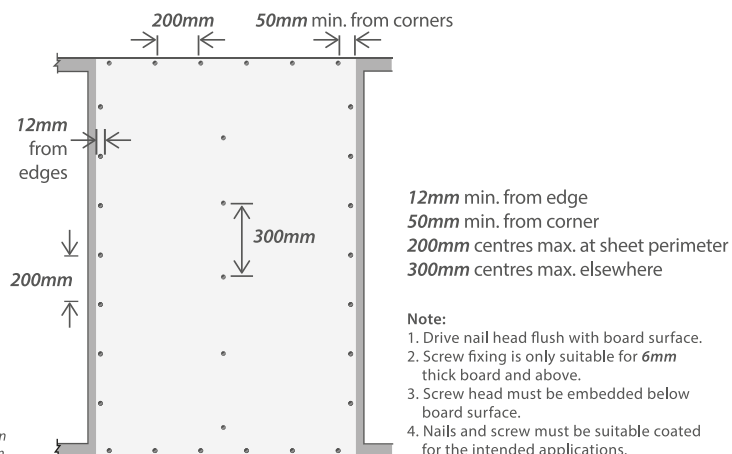
Prima Wingtek Self-Embedding screw



- No. 8 x 7/8" (22.0mm) for thick board from 4.5mm up to 6mm
- No. 8 x 1-1/8" (28.0mm) for thick board from 7.5mm up to 12mm
- No. 8 x 1-1/4" (32.0mm) for thick board from 12mm up to 16mm
- No. 8 x 1-3/4" (44.0mm) for thick board from 18mm up to 20mm

Other type of screws may also be suitable, but method of application could vary. Refer to screw manufacturer for proper recommendation.

Fastener Fixing Distance



Fire Resistance

primaflex™ is non-combustible based on test by CSIRO to AS 1530.1 standard. It is eminently suitable where non-combustible materials are required in accordance with C1.12 of the Building Code of Australia.

primaflex™ has been tested in accordance with AS 1530.3; Simultaneous Determination of Ignitability, Flame Propagation, Heat Release and Smoke Release.

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

primaflex™ also has been tested in accordance with AS/NZS 3837, a method of test for heat and smoke release rates for materials and products using an oxygen consumption calorimeter at 50kW/m² and it has been classified as Group 1 material based on specification A2.4 and C1.10a of the Building Code of Australia.

primaflex™ has tested to BS 476 Part 6 & 7 and meet the Bomba Class O requirement.

Appraisals

(Volume 1 - Class 2 to Class 9 Buildings)

primaflex™ Cladding Eaves Lining Boards have been appraised by CSIRO in meeting the requirements of Clauses CP4, FP1.4, P2.2.2 and P2.3.1 of the Building Code of Australia 2006.

(Volume 2 - Class 1 and Class 10 Buildings Housing Provisions)

OPUS International Consultants Limited, New Zealand has determined the compliance of **primaflex™** boards to AS/NZS 2908.2. Cellulose-cement products, Part 2 - Flat Sheets.

Handling & Storage

Storage



- Store sheets neatly on a flat surface supported evenly with bearers spaced at **600mm** centres maximum, clear of the ground to avoid damage and moisture ingress.
- Store under cover and ensure sheets are dry prior to fixing. Never install damp sheets. Damp Sheets 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 **primaflex™** to avoid damaging the corner.



PPS (BAHAN BINAAN)
No. Perakuan: A040608
A000297



Certified to MS 1236 : 2010
Certification No. PH000605
PH000614



Certified to ISO 8338 : 2009
Certification No. PH000613



Certified to BS476 Part 6 & 7
Certification No. LH000601
LH000603



BAHAN KELAS 'O'
BS 476 - PART 6 : 1989
BS 476 - PART 7 : 1997



ECO-LABEL
License No.
ELH0006001



MyHP00175/116



CERT. NO. : SGBP 5989



Certified to ISO 9001 : 2015
Certification No. QMS 00214
QMS 00333



Certified to ISO 14001 : 2015
Certification No. EMS 00481



ASTM
C1186

Fire Resistance
AS 1530.3

Termite Resistance -
tested by CSIRO



BS EN 12467



Termite Resistant



Fire Resistant



Water Resistant



Weather Resistant



100% Asbestos free



Superior Paint
Adhesion



High Workability



Aesthetically
Pleasing



50 Years
Durability

For more information, please contact us at:



SAINT-GOBAIN PRIMA SDN BHD (579898-W)

Level 19, Tower 5, Avenue 7 The Horizon,
Bangsar South City, No. 8, Jalan Kerinchi,
59200 Kuala Lumpur, Malaysia

General Line 1: +603 7781 1977 | General Line 2: +6012 781 1797

www.saint-gobain.my

[f](#) [t](#) [i](#) [y](#) [d](#) [saintgobainprima](#)