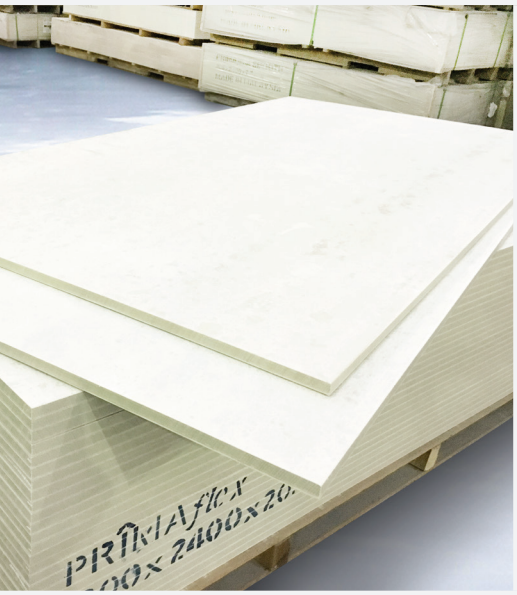
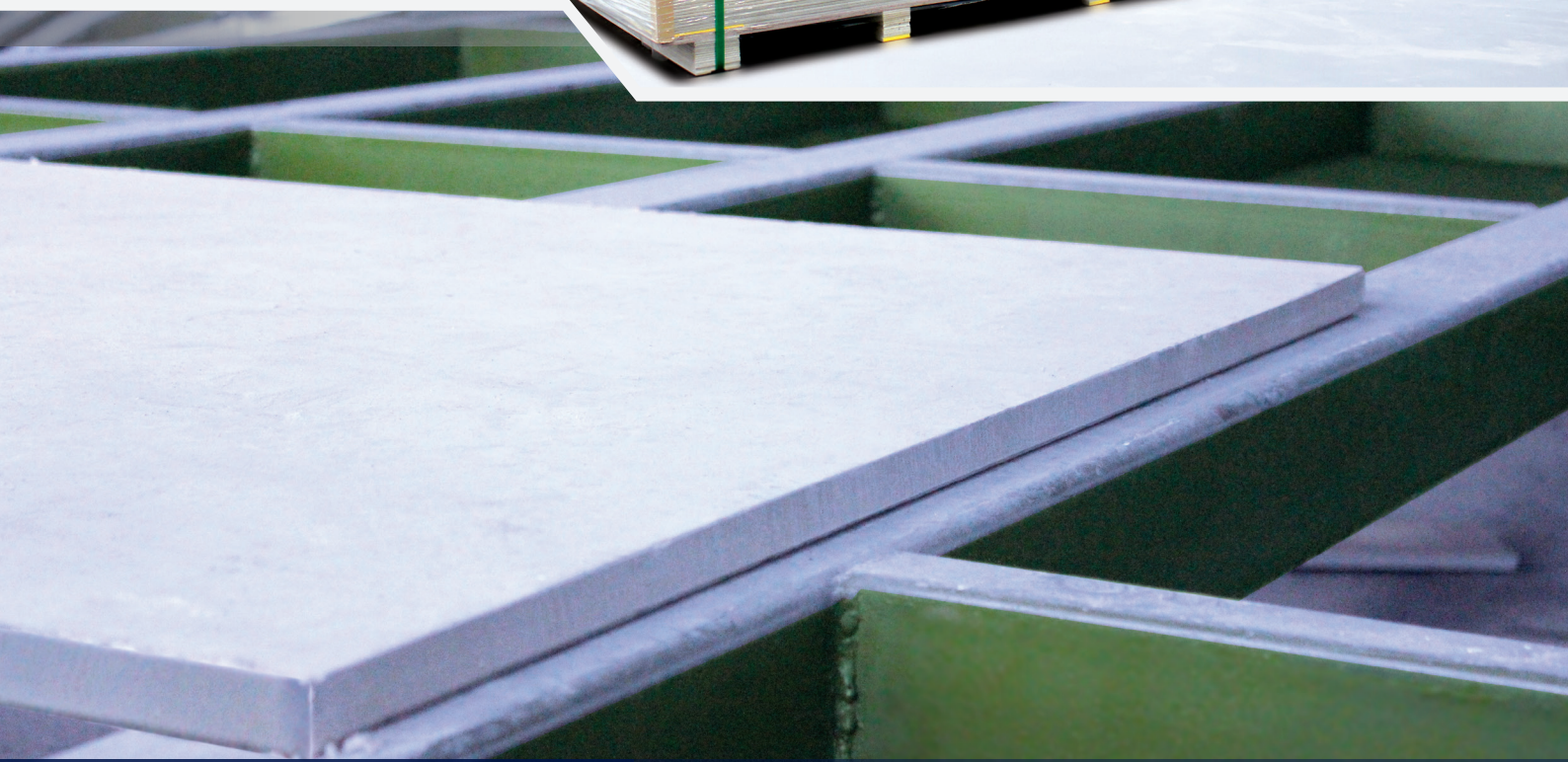
PRIMA™

FIBRE CEMENT BUILDING SOLUTIONS





PRIMA*flex*™ flooring

Termite Resistant

Fire Resistant

Water Resistant

Weather Resistant

Environmentally Friendly

Superior Paint Adhesion

High Workability

Aesthetically Pleasing

50 Years Durability

PRIMAflex™ makes remarkably impact resistant and hard-wearing floors. It is an eco-friendly multipurpose fibre cement board that can be used for floor substrate over timber and steel joist. PRIMAflex™ is the preferred choice of flat sheet material amongst industry professionals.

In compliance to Australian and New Zealand Specification Standards, PRIMAflex™ is manufactured according to AS/NZ 2908.2.

Product Benefits:

- Asbestos Free
- Light Weight, Strong and Durable
- Fire-Resistant, Termite Resistant and Water Resistant
- Good Sound Insulation and Cost Effective
- Dimensionally Stable and Versatile in Application

1220x2440	*Mass per sheet, kg*
Thickness (mm)	
12mm	49.65
16mm	66.20
18mm	74.50
20mm	82.75

Applications	*Board Thickness (mm)*			
Thickness (mm)	12	16	18	20
Cladding	•			
Internal Partition	•			
Roof Sarking	•	•		
Flooring	•	•	•	•
Permanent Formwork**	•	•	•	•

PRIMA Flex (Dry Application)

Thickness	Joist Spacing 300mm		400mm		600mm	
	UDL	CL	UDL	CL	UDL	CL
12mm	11.00 kN/m²	2.35 kN	5.30 kN/m²	1.35 kN	-	-
	1079.10 kg/m²	230.54 kg	519.93 kg/m²	132.44 kg	-	-
16mm	20.00 kN/m²	4.30 kN	9.50 kN/m²	2.45 kN	2.60 kN/m²	1.00 kN
	1962.00 kg/m²	421.83 kg	931.95 kg/m²	240.35 kg	255.06 kg/m²	98.10 kg
18mm	25.00 kN/m²	6.20 kN	13.70 kN/m²	3.50 kN	3.90 kN/m²	1.55 kN
	2452.50 kg/m²	608.22 kg	1343.97 kg/m²	343.35 kg	382.59 kg/m²	152.06 kg
20mm	31.00 kN/m²	8.50 kN	17.50 kN/m²	4.10 kN	5.40 kN/m²	2.10 kN
	3041.10 kg/m²	833.85 kg	1716.75 kg/m²	402.21 kg	529.74 kg/m²	206.01 kg

PRIMA Flex (Wet Application)

Thickness	Joist Spacing 300mm		400mm		600mm	
	UDL	CL	UDL	CL	UDL	CL
12mm	6.30 kN/m²	1.20 kN	2.60 kN/m²	0.60 kN	-	-
	618.03 kg/m²	117.72 kg	255.06 kg/m²	58.86 kg	-	-
16mm	12.00 kN/m²	2.90 kN	6.30 kN/m²	1.60 kN	1.70 kN/m²	0.70 kN
	1177.20 kg/m²	284.49 kg	618.03 kg/m²	156.96 kg	166.77 kg/m²	68.67 kg
18mm	15.50 kN/m²	4.00 kN	8.70 kN/m²	2.30 kN	2.50 kN/m²	1.00 kN
	1520.55 kg/m²	392.40 kg	853.47 kg/m²	225.63 kg	245.25 kg/m²	98.10 kg
20mm	19.00 kN/m²	5.50 kN	10.50 kN/m²	3.20 kN	3.50 kN/m²	1.40 kN
	1863.90 kg/m²	539.55 kg	1030.05 kg/m²	313.92 kg	343.35 kg/m²	137.34 kg

Note:

1. *Dry and Wet Bending Strength (MOR) for 16N/mm and 10N/mm respectively.*
2. *Dry and Wet Modulus of Elasticity (MOEs) are 6,000N/mm and 4,000N/mm respectively.*
3. *Minimum factor of safety under the bending strength of 3.0 has been factored in the recommended loads.*
4. *Allowable maximum deflection is limited to L/250 of joist spacing.*
5. *Concentrated load is applied over an area of 300mm x 300mm square.*
6. *The above values are nominal joist spacing. Actual joist and trimmer spacing must incorporate the allowance for 1mm to 2mm gap at board joints and 5mm gap at expansion joint.*
7. *Refer to HCI should the design require other particular attention not covered in this manual.*

*** Please refer to latest Prima Flex Technical Manual or contact us for technical advice and specifications for permanent formwork application.*

For more information, please contact us at:

Hume Cemboard Industries
A Member of the Hong Leong Group