

# Solutions

# FAÇADE

**PRIMA** is a global leader in fibre cement building materials, manufactured in Malaysia. PRIMA products are versatile for application in various construction styles; whatever the design, the strength and durability of PRIMA will last for many years to come.

## Superior Performance

**PRIMA** makes an excellent choice for Façade application as it is highly durable, will not burn, is resistant to moisture, rotting and warping.

**PRIMA** boards' superior weather resistance, termite resistance and anti-mold & fungus properties are perfectly suited for exterior application in all climates.

## Easy Construction and Design

The composite construction method employed in the application of **PRIMA** product makes the construction process fast and simple compared to traditional methods. The versatile material suits a wide range of architectural styles, from classic and traditional to ultra-modern and contemporary.

**PRIMA** boards come in various format that can be cut to size easily. The sheets are ready to be painted once installed, providing great aesthetic flexibility and ease of future maintenance.

## Quality Assurance

**PRIMA** fibre cement products are manufactured in Malaysia in an ISO 9001, and ISO 14001 certified manufacturing plant that is 100% asbestos free. The brand is distributed in more than 30 countries with strict adherence to each country's local standards.

**PRIMA** products are backed by a 10 year warranty and had been tested for 50 year durability.

## Fire Safety

**PRIMA** products are certified by the Fire & Rescue Department of Malaysia as a material with surface of no flame spread (Class-O), complying to BS 476: part 6: 1989 and BS 476: Part 7 :1997.

## Sustainability

**PRIMA** fibre cement boards are manufactured from natural and recyclable materials - Portland cement, Silica and Cellulose fibre, that are cured and stabilised in an autoclave. The product meets green building requirements and holds an Environmental Product Declaration according to ISO 14025.



Large Format fibre cement flat sheets that gives unparalleled design flexibility where the only limit is one's imagination.



Sports complex



Educational institution

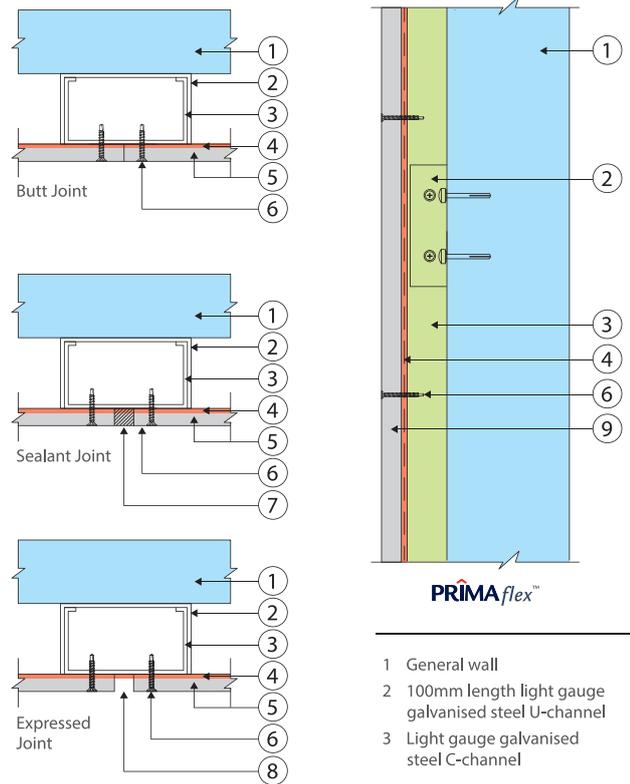


Car showroom



Office building

### Fixing detail



- 1 General wall
- 2 100mm length light gauge galvanised steel U-channel
- 3 Light gauge galvanised steel C-channel

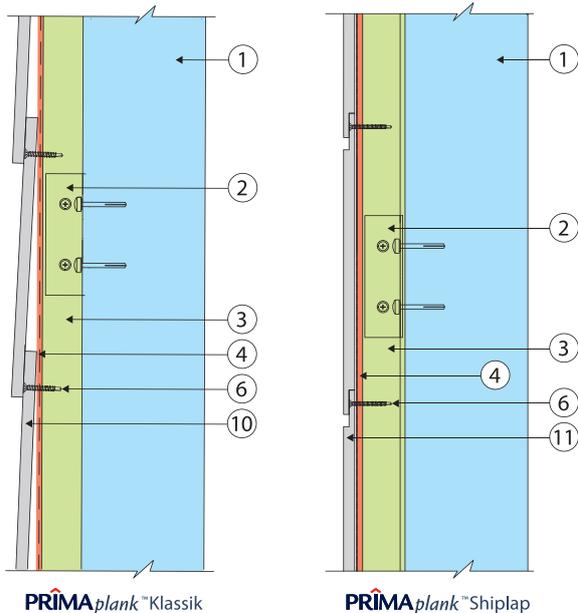
Designed to stimulate traditional timber cladding aesthetics. PRIMAplank™ can be painted, or stained, to create the desired look.



Commercial building



Private residential

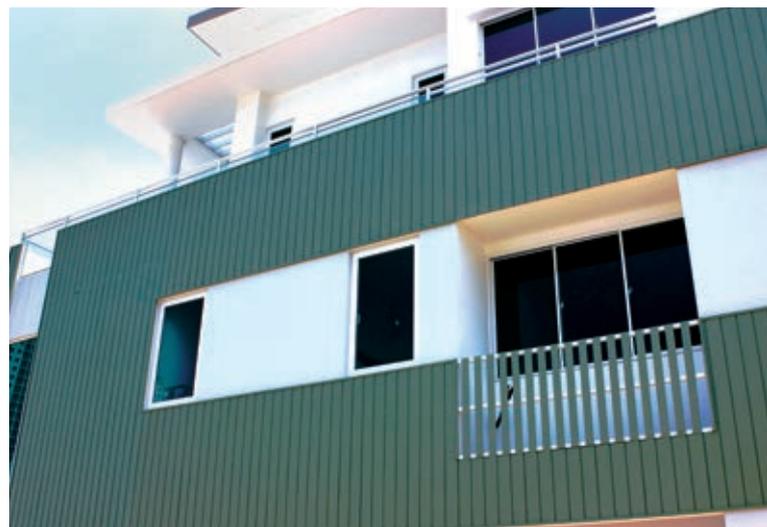


PRIMAplank™ Klassik

PRIMAplank™ Shiplap

- 4 Vapour barrier
- 5 Façade board (Prima flex or Prima Plank)
- 6 Prima fastener - Wing tek screw
- 7 Flexible sealant
- 8 3 – 6mm gap for expressed joint
- 9 Prima Flex
- 10 Prima Plank Klassik
- 11 Prima Plank Shiplap

**Note:** The above diagrams are for illustration purposes only. For detailed specifications and advice on external building facade using PRIMA products, please consult HCI's Technical Department.



# Product Information

## PRIMAflex™ for façade application

Width (mm)	Length (mm)	Thickness (mm)		
		9	12	16
1220	2440	•	•	•

Refer to Prima Flex brochure for full range of sizes.

## PRIMAplank™ Klassik

Edge detail	Texture	Sheet size (mm)		Thickness (mm)		
		Width	Length	7.5	9	12
Square edge	Smooth	230	3660	•	•	•
	Woodgrain			•	•	•
	Timbergrain	230	4200	•	•	•
	Woodgrain			•	•	•

## PRIMAplank™ Shiplap

Edge detail	Texture	Sheet size (mm)		Thickness (mm)
		Width	Length	9
Lap edge	Smooth	230	3660	•
	Woodgrain			•

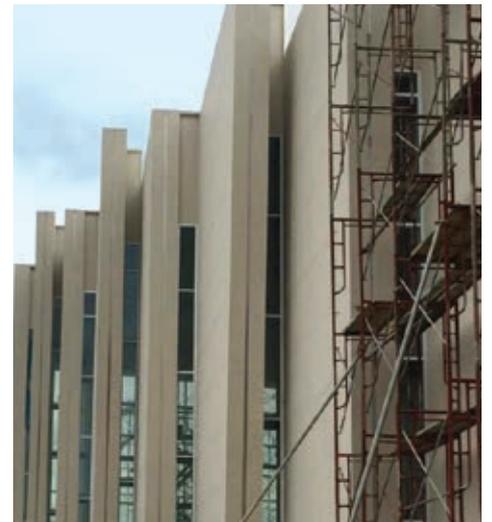
Properties	Values
Product Composition	• Top Grade Cellulose Fibre • Finely Ground Sand • Portland Cement • Water
Nominal Density	EMC= <b>1390kg/m<sup>3</sup></b>
Moisture Content	EMC= <b>7%</b> Saturation = <b>33%</b>
Moisture Movement	<b>0.08%</b> (EMC to Saturated)
Minimum Bending Strength, MoR	Dry = <b>14MPa</b> ; Wet = <b>7MPa</b>
Average Modulus of Elasticity, MoE	Dry = <b>8GPa</b> ; Wet = <b>5GPa</b>
Fire Rating	<b>Class O</b> Material (Certified by Bomba) Tested to <b>BS 476, Part 6: 1989 &amp; BS 476, Part 7: 1997</b>
Fungus Resistance	Passes ( <b>ASTM G21</b> )
Termite Resistance	Resistance to Damage (Field evaluation conducted by CSIRO)
Frost Resistance	Passed ( <b>AS/NZS2908.2, MS 1296, ISO 8336, BSEN 12467, ASTM C1186</b> )
Heat Rain Resistance	Passed ( <b>AS/NZS2908.2, MS 1296, ISO 8336, BSEN 12467, ASTM C1186</b> )
Surface Rating	Pre-Primed Available
Thermal Conductivity, k Value (Mean temperature of 41.93°C)	0.24W/mK

# In Construction

## PRIMAflex™ as building envelop

Advantages :

- Lightweight façade
- Superior flatness
- Dry & Fast construction
- Minimal defect
- Easy to paint



PRIMA fibre cement products are used extensively for a wide range of building applications.

We are here to provide you the full support and knowledge to ensure the success of your next project.

Feel free to contact our support team to guide you through your design.



Termite Resistant



Fire Resistant



Water Resistant



Weather Resistant



100% Asbestos free



Superior Paint Adhesion



High Workability



Aesthetically Pleasing



50 Years Durability

#### 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.

The information stated in this brochure is correct at time of printing, and subject to change without notice. For the latest product update please refer to [www.primafibreceement.com](http://www.primafibreceement.com).

For more information, please contact us at:



A Member of the Hong Leong Group

No. 12 Jalan Tandang, 46050 Petaling Jaya, Selangor, Malaysia.

Tel : +603 7625 9999

Fax: +603 7625 7822

Email: [sales@humecemboard.com.my](mailto:sales@humecemboard.com.my)

[www.primafibreceement.com](http://www.primafibreceement.com)

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