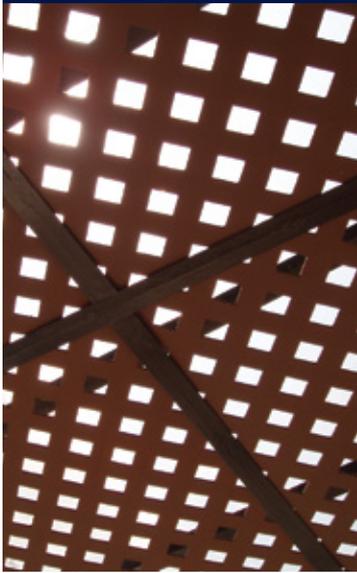




**PRIMA** *lattice*<sup>TM</sup>

## Features



# PRIMA *lattice*™

## Decorative flat sheet screening

perfect for privacy, ventilation, shade and charm

PRIMA *lattice*™ is an autoclaved fibre reinforced cement sheet consisting of high quality cellulose fibre, finely ground sand, Portland cement and water. It serves well functionally and decoratively for partitions and screening. Looks good standing on its own or combined with other building materials to complete that perfect aesthetic result.

In today's modern homes, the stylish, traditional look of lattice has become increasingly popular.

With PRIMA *lattice*™ you can create a fresh and appealing look for your gable ends, eaves and verandahs. This decorative flat screen can transform the dull corners of your garden into places of interest as well as provide shade to your delicate plants.

Unaffected by moisture, heat and weather PRIMA *lattice*™ is the perfect choice when used as garden fences, surrounds for pools, spas, barbecue areas and gable ends.

### Product Benefits

- Low Maintenance
- Asbestos free
- Weather Resistant
- Fire resistance
- Water Resistant
- Termite Resistant
- Rot Resistant
- Cost Effective
- Excellent workability
- Aesthetically pleasing
- Energy saving

## Material Properties & Composition

Properties	Values
Product Composition	<ul style="list-style-type: none"> <li>• Top Grade Cellulose Fibre</li> <li>• Finely Ground Sand</li> <li>• Portland Cement</li> <li>• Water</li> </ul>
Color	Light grey
Edge details	4 sided square edge
Nominal Density	EMC = 1390kg/m <sup>3</sup>
Moisture Content	EMC = 7% Saturation = 33%
Moisture Movement	0.08% (EMC to saturated)
Thermal Conductivity k Value (Tested at 30°C±5°C)	0.24 W/mK (ASTM C518)
Product standard	MS 1296:2010
Fire Rating	Class O material (Certified by Bomba) Tested to BS476.Part 6: 1989 & BS 476.Part:7, 1997)
Fungus Resistance	Passes (ASTM G 21)
Termite Resistance	Resistance to damage (Field evaluation conducted by CSIRO)
Frost Resistance	Passed (AS/NZS2908.2, MS 1296)

## Material & Application Specifications

PRIMA *lattice*™ is nominally 6mm thick and available in two attractive patterns - Square and Diamond.

### PRIMA *lattice*™ : Decorative Screen

Profile	Length (mm)	Width (mm)	Thickness (mm)	Application
 Square	2400	1200	6.0	
 Diamond	2400	1200	6.0	

Note: Other sizes may be available upon request



## Fastener Specification

# Framing & Fixing Specifications

When **PRIMA**lattice™ is fixed directly to timber framing, nails must be installed as shown in Figure 4. Use only galvanized fibre cement nails. Drive nail head flush with the sheet surface.

### Galvanised Fibre Cement Nail



2.0mm x 30mm for softwood

2.0mm x 25mm for hardwood

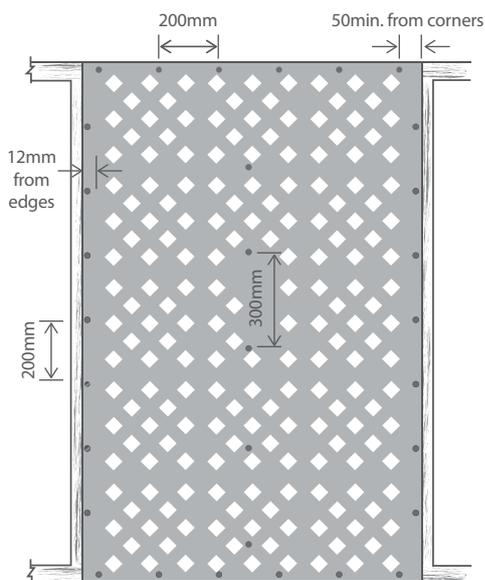


Figure 1: Nailing Pattern

## Sheet Fixing Instructions

**PRIMA**lattice™ is normally fixed to timber frames. Use only durable hardwood or external grade treated timber.

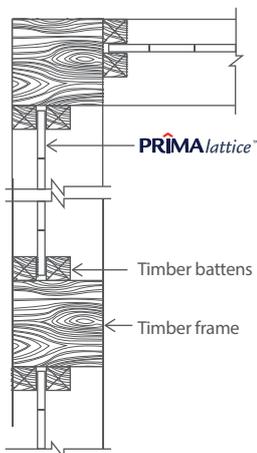


Figure 2: Fixing with Battens

### Method 1 (Timber Batten)

1. Construct framing to suit the length or width of the **PRIMA**lattice™.
2. Nail timber batten flush with the external side of the timber frame.
3. Position the panel against the battens.
4. Nail battens to timber frame at the other side of the panel.

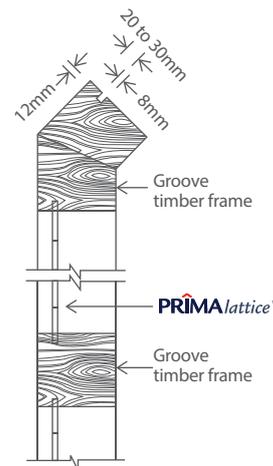


Figure 3: Fixing to Grooved Timber

### Method 2 (Grooved Frame)

1. Use timber frame with 8mm wide x 12mm deep grooved at the proposed panel location.
2. Fix the timber post and bottom rail of the frame in position.
3. Ensure that posts and bottom rail are in correct alignment. Check with level or plumb.
4. Slot the **PRIMA**lattice into place and attach the top rail to lock the panel into position.

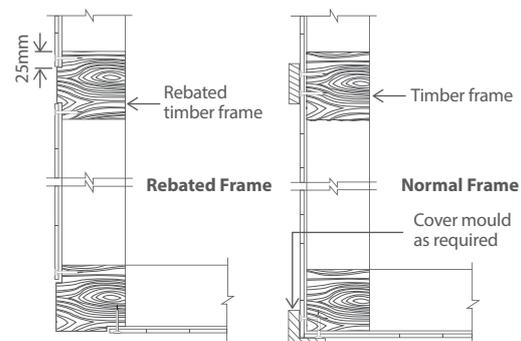


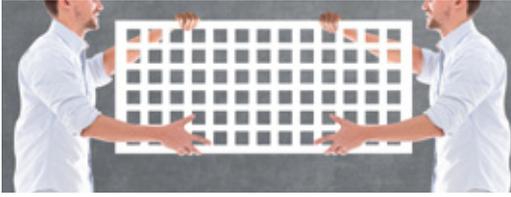
Figure 4: Nail-on Panel Fixing

### Method 3 (Nail-on)

**PRIMA**lattice™ can be nailed directly onto normal or rebated timber frame. Fix the panels as follows:

1. Construct the primary frame with spacing to suit the sheet width and length.
2. Affix the intermediate vertical frame and horizontal rails. When using **PRIMA**lattice™ Square, intermediate framing should be situated between the square perforations.
3. Apply **PRIMA**lattice™ and nail in accordance with the recommended nailing pattern. Refer Figure 4.

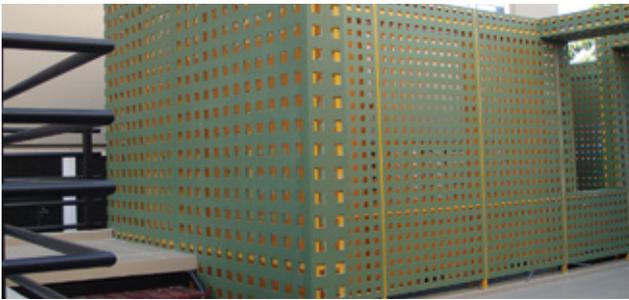
# Handling & Finishing



## 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.
- Protect edges and corners from damage on site.

Note - Floor loadings should be considered when stacking sheets.

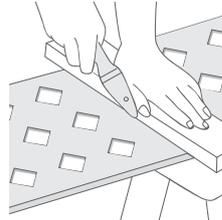


## Handling

- Always lift sheets in up-right position, carry with 2 people.
- Do not hold near each on edge.
- Exercise care when handling PRIMA lattice™ to avoid damaging the corner

## Cutting

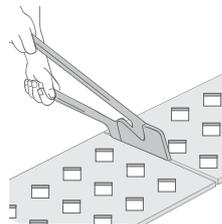
A dust mask and safety glasses should always be worn when cutting, drilling or grinding. Dry cutting with power tools should be performed in a well-ventilated area or in an open-air space using a power-saw fitted with dust-extracting attachments. A circular saw with dust collecting facilities should be equipped with carbide-tipped teeth or a corundum blade.



## Score & Snapping

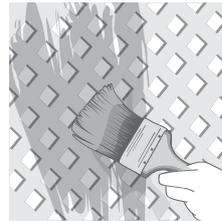
Any scribing tool or special tungsten-tipped scoring knife can be used for this method of cutting.

- Score the face of PRIMA lattice™, repeating the action to obtain a depth of about 1/3 of sheet thickness.
- Snap the off-cut upward to achieve cut. If necessary, trim the rough edge with a rasp.



## Hand Guillotine

When using a hand guillotine, best results are obtained when the sheet and the off-cut are both fully supported.



## Finishing

In order to achieve excellent aesthetic finishing, it is recommended to use 100% water based quality acrylic paints. Generally a minimum of 2 coats is required. Do not use solvent-base paint. There is no need to apply primers or sealers. Please refer to paint manufacturer's install cases.



Termite Resistant



Fire Resistant



Water Resistant



Weather Resistant



Environmentally Friendly



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.