**Features**

PRIMA\textsuperscript{TM} 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 aesthetically for partitions and screening. It 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 look of PRIMA\textsuperscript{TM} has become increasingly popular.

With PRIMA\textsuperscript{TM} you can create a fresh and appealing look for your gable ends, eaves and verandahs. This decorative 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\textsuperscript{TM} is the perfect choice when used as garden fences, surrounds for pools, spas, barbecue areas and gable ends.

**Product Benefits**
- Low Maintenance
- Water Resistant
- Asbestos Free
- Termiticide Resistant
- Weather Resistant
- Rot Resistant
- Aesthetically Pleasing
- Energy Saving
- Fire Resistant
- Cost Effective

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**Material & Application Specifications**

PRIMA\textsuperscript{TM} is nominally 6mm thick and available in two attractive patterns - Square and Diamond.

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<tr>
<td>Diamond</td>
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**Material Properties & Composition**

<table>
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<tr>
<th>Properties</th>
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| Product Composition         | • Top Grade Cellulose Fibre  
                              | • Finely Ground Sand  
                              | • Portland Cement  
                              | • Water                                                                 |
| Colour                      | Light Grey                                                             |
| Edge Details                | 4 Sided Square Edge                                                   |
| Nominal Density             | EMC = 1390kg/m²                                                        |
| Moisture Content            | EMC = 7%, Saturation = 33%                                            |
| Moisture Movement           | 0.08% (EMC to Saturated)                                              |
| Thermal Conductivity k Value (Tested at 30°C; 55°C) | 0.24 W/mK (ASTM C514)                                                  |
| Product Standard            | MS 1296:2010                                                           |
| Fire Rating                 | Class O Material (Certified by Bomma)  
| Fungus Resistance           | Passes (ASTM G 21)                                                    |
| Termiticide Resistance      | Resistance to Damage  
                              | (Field Evaluation Conducted by CSIRO)                                 |
| Frost Resistance            | Passed (AS/NZ2908.2, MS 1296)                                         |
Fastener Specification

When PRIMA lattice™ is fixed directly to timber framing, nails must be installed as shown in Figure 4. Use only galvanised 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

Sheet Fixing Instructions

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

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.

Method 2 (Grooved Frame)

1. Use Timber Frame with 12mm wide x 12mm deep grooves 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 level and plumb.
4. Slot the PRIMA lattice™ into place and attach the top rail to lock the panel into position.

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.
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 ensure at least 2 persons are lifting the board at the same time in an upright position.
- Do not hold near each edge.
- Exercise care when handling PRIMA lattice™ to avoid damaging the corners.

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 high-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 Carborundum 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. In any case, coating manufacturers’ recommendation must be adhered to.

For more information, please contact us at:

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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.