



BIL

PURE BAMBOO WALL PANEL

Sustainable, Flexible, Healthy, Durable

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KEY FEATURES

Environmental Friendly

- All products are FSC certified.
- Contributions towards LEED, BREEN and Beam Plus certifications
- LEED: BD+C - v4, SS7, MR1, MR2, EQ2, MR3 ("FSC"),
- 2009: MR6, MR7 ("FSC"), IEQ4.3, IEQ4.4
- BREEAM: HEA2, MAT1, MAT3 ("FSC"), MAT5 (HD)

Hard & Durable

- All floor panels are made from solid bamboo strips compressed under high temperature and pressure.
- This engineering process gives the material exceptional hardness and durability (1)

Easy To Install

- Floor panels can easily be put together using T&G click lock, glue, or nail.

	With T&G	Without T&G
Linear	Width between 96 to 128 mm Thickness between 15 to 18 mm (Type 1)	Width between 96 to 100 mm Thickness between 8 to 10 mm (Type 2)
Tile / Panel	NA	Width 600 mm Thickness 18 mm (Type 3)

Colour Options

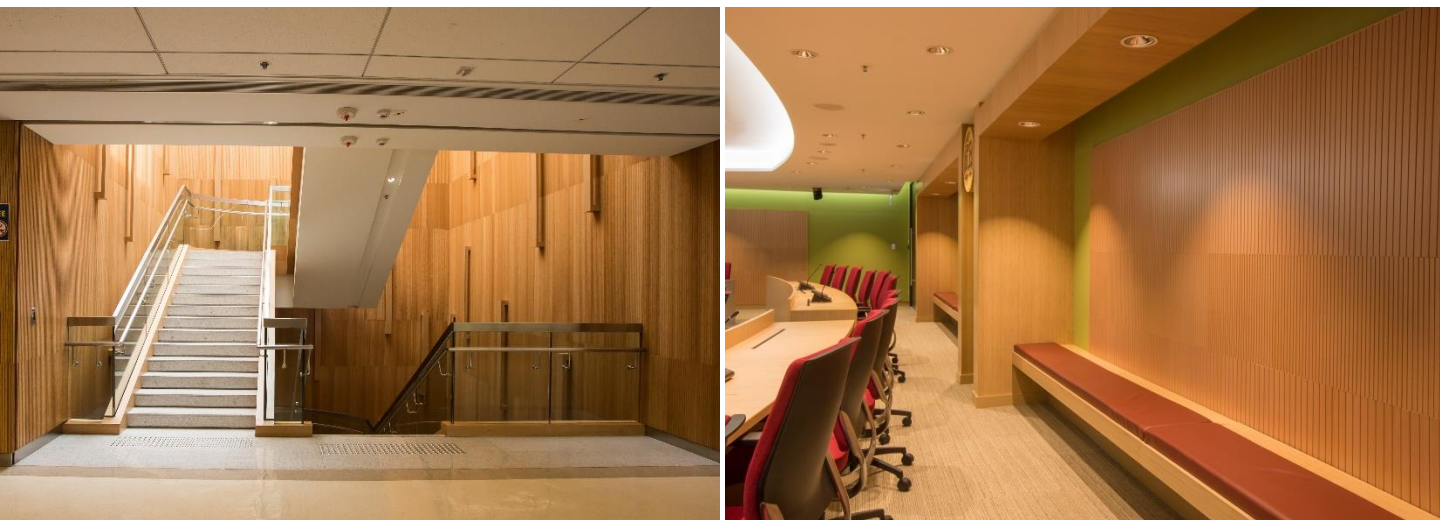


Details



Technical Data

- a) **Surface finish:** UV / Oil / Lacquer
- b) **Main structure**
- **Vertical:** Bamboo strips are stood vertically on their narrowest edge and then laminated side to side. The effect is a lined, almost uniform look to the surface of the finished floor plank.
 - **Horizontal:** Bamboo strips are arranged in a horizontal direction, on their widest edge, and then joined side by side with adjacent pieces using a high-pressure lamination system. The characteristic nodes of the bamboo are visible on the finished horizontal surface.
 - **Cross:** Bamboo strips are rigidly gluing alternately to form at least 3 layers. The surface layer can be either in vertical or horizontal pattern.

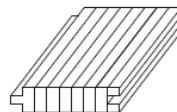
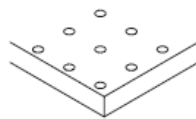




WP4

Surface finish

Construction

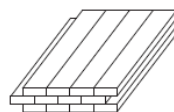
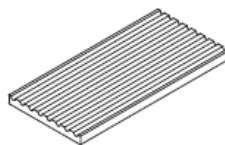


TYPE 3
Tile / Panel Style

VERTICAL STRUCTURE



WP5

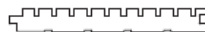
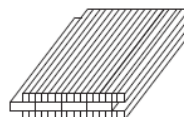
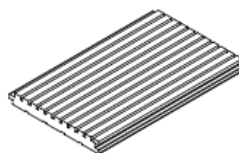


TYPE 2
Linear without T&G

HORIZONTAL STRUCTURE



WP6

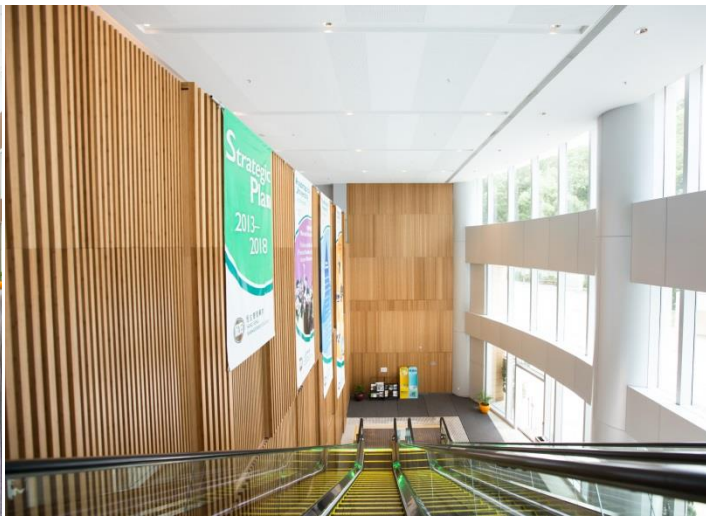
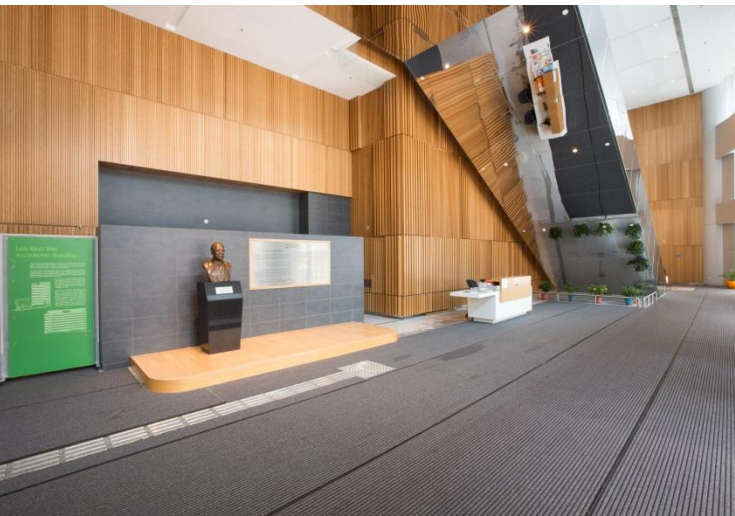


TYPE 1
Linear with T&G

CROSS STRUCTURE



WP7



PERFORMANCE SPECIFICATIONS FOR ARCHITECTS AND DESIGNERS

1. **Basic material:** Moso Bamboo

2. **Structure:** Vertical or horizontal ply planks or similar (subject to Architect's / Designer's review and notice of no objection)

3. **Dimensions:** Subject to Architect's / Designer's selection

4. **Density:** approx. 600-650 Kg/m3

5. **Appearance class / Grade:** Natural or Carbonized – to match benchmark

6. **Edges:** Micro bevel or square, with tongue and groove

7. **Moisture content at time of fixing:** 10 – 12%, subject to supplier's recommendations

8. **Boards / planks:** Solid bamboo planks with specified cross section. With tongue and groove. Free from decay. No plank shall be cut narrower than 50% of the specified width; a wider plank shall be used

9. **Methods of fixing / joining:** Planks are to be adhered and blind nailed; no fixings are to be visible on the finished surface of the system. Generally in accordance with suppliers recommendations
10. **Finishes:** A. Smooth surface to expose natural grain of bamboo. A sample is to be submitted and is subject to Contract Administrators review and notice of no objection; B. Protective sealer: UV / Oil, (subject to Architect's and Designer's approval)

11. **Standards:** Not withstanding other standards noted within this section, the described system is to meet, or be read in reference to
 - a) Dimensional stability should fulfil ASTM D1037:2012 (Mean thickness swelling < 1.5%; Linear expansion with change in moisture content <0.2%)
 - b) Breaking strength: Min value 13,4kN (EN 14342:2013)
 - c) Emission of formaldehyde: Class E1 or E0 in accordance with EN717
 - d) Quality Assurance: ISO 9001 And ISO14001

12. **Environmental Compliances:**
 - a) The contractor is to implement practices and procedures to meet the project environmental performance goals, which include achieving BEAM “Gold” Certification in accordance with HKGBC BEAM PLUS version 1.2
 - b) Comply with recommendations / guidelines of Forest Stewardship Council (FSC), and source only FSC certified bamboo

	UV	Oil	Lacquer
Character	Hard-wearing finish	Natural oil surface that allows the wood to breathe	Ultra low VOC
Ingredients	Performance-optimised acrylic resin	Solvent based	Water based polyurethane
How it works	High-grade, UV-cured acrylic resins coat the bamboo with 40-50 um thick protective varnish	It penetrates deep into bamboo and protects the floor from dirt and from drying out. The product can breathe and retains its natural look and feel.	With high chemical resistance used to achieve the look of natural raw bamboo