

## TECHNICAL DATA PLANTATION RANGE COVENTIONAL BAMBOO

### Colours

A wide range of colours and styles to select from including Caramel, Straw

### Structure

Horizontal and Vertical

### Finish

Matt, Semi-gloss, Gloss

### Type and size

Standard 15 x 92-96 x 1850

Wide 15 x 152 - 162 x 1850

### Abrasion resistance:

Tested to ASTM C501 weight loss was 0.349 grams, the second most abrasive resistant commercial hardwood.

### Chemical and stain Resistance:

- a) 5% Acetic Acid unaffected
- b) 10% Ammonium Hydroxide unaffected
- c) 10% Hydrochloric Acid unaffected
- d) 3% Hydrogen Peroxide unaffected
- e) 1% Sodium Hydroxide unaffected

**Dimensional change co-efficient** 00144 (50% more stable than Red Oak.)

**Lip resistance** Tested to ASTM D2047 = 0.71 co-efficient of friction

**Compressive strength** Tested to ASTM D3501 = 16,925 psi

**Tensile strength** Tested to ASTM D3500 = 15,290 psi

**Flammability** Tested to ASTM E648 critical radiant panel test class

**Moisture content** Tested to ATSM D4442 oven dry method 10% average

**Indentation resistance** Tested to ATSM 1037 Average Hardness of 1640

**Smoke density** Tested to ASTM E622 269 Flaming Mode and 329 Non Flaming

**Bending elasticity modulus** 66,390KG/CM<sup>2</sup>

**Shear strength** Tested to British Standard 373 96KG/CM

**Density standard** GB/T4897-92 result 66G/CM<sup>3</sup>

**Elasticity modulus** Standard BG13123-91 result 7.6 x 10 MPA

**Breaking modulus** Standard LY1055-91 result 96.9 MPA

ASTM refers to American Standard Measures equivalent to testing methods used by the CSIRO

### Adhesive specifications

The adhesive used to adhere the bamboo strips lets off gasses 6.5 times less than allowed under strict European (EU) Standards. Bamboo only lets off 0.02mg of formaldehyde per cubic meter of air.



style | plantation

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