

Sustainable Flooring's CSI Spec. for Strandwoven TIMBER Millwork

UNFINISHED MULTI-PLY COMPRESSED WOOD STRAND PANELING

1.03 QUALITY ASSURANCE

A. Qualifications:

1. Manufacturer Qualifications:

- a. Use of low-VOC, E0 Compliant, and CARB compliant adhesives in manufacturing of all products.
- b. Product Kiln-dried during manufacturing to below 7% MC

1.04 DELIVERY, STORAGE, AND HANDLING

A. Deliver millwork components to project site, or fabrication site, not less than 5 days prior to start of installation (to allow for suitable acclimation).

1.05 PROJECT/SITE CONDITIONS

A. Environmental Requirements: Installation spaces, flooring and adhesive must be maintained at normal occupancy temperature and humidity levels (HVAC working) for minimum 3 days prior to installation. Installation contractor must test for moisture, as referenced in the installation guidelines, ensuring that moisture content of product relative to subfloor is sufficient for installation (less than 3% moisture content difference between the material to be installed, and the subfloor to which it is being installed). This is very important.

1.06 WARRANTY

A. Special Warranty:

1. Sustainable Flooring's Structural Warranty: 5 years against delamination or separation as a result of a manufacturing defect when finished and maintained in accordance with manufacturer's installation instructions.

PART 2 – PRODUCTS

2.01 MANUFACTURER

A. Sustainable Flooring
4390 Pali Way
Boulder, CO 80301

Tel: (303) 544-6076
Fax: (303) 447-0491
e-mail: info@sustainableflooring.com
Website: <http://www.sustainableflooring.com>

B. Strandwoven TIMBER Millwork (select one):

1. Double-sided Multi-ply
 - a. Color: Natural or "dye-infused" (specify color of "dye-infused")
 - b. Grain Orientation: Horizontal or Vertical

C. Substitutions: None Permitted.

2.02 MATERIALS

1. Species: Poplar
2. Size: (in 4'x6' dimensions unless otherwise specified)
 - a. 3/4" x 4' x 6' (double-sided)
 - b. 1" x ____" x 6' (solid stock)
 - c. 3/4" x ____" x 6' (solid stock)
 - d. 5/8" x ____" x 6' (solid stock)
 - e. "custom" (specify size requirements)
3. Physical Property Performance Requirements:
 - a. Hardness: ASTM D 1037, Janka Ball: >2875 psi (avg.)
 - b. Flammability: ASTM E 648: Class I Interior Floor Finish rating per NFPA 101.
 - c. Tensile Strength: ASTM D 3500: Minimum 14,570 psi (103.1 MPa) parallel to grain.
 - d. Slip Resistance: ASTM D 2394: Static Friction Coefficient 0.562; Sliding Friction Coefficient 0.497 (can vary dependent if different coating is applied).
 - e. Moisture Content: ASTM D 4442, Oven Dry Method: 8.6 percent average (varies based on distribution point).
 - f. Formaldehyde Emissions: ASTM E 1333: 0.2 ppm avg. Phenol (No Urea Formaldehyde inclusion acceptable).
- B. Installation: Fabricate in same fashion as with traditional "wood" millwork components.
- C. Finish: Finish in same fashion as with traditional "wood" millwork components.

PART 3 - EXECUTION

3.01 EXAMINATION

- A. Examine components to which bamboo millwork will be mounted on, or fabricated with.
 1. Components must be clean, dry, and free of contaminants that would interfere with adhesive bond.
- B. Verify that HVAC system is operating and maintaining occupancy level temperature and humidity conditions.
- C. If either of the above needs attendance, coordinate with responsible entity to correct unsatisfactory conditions.

3.02 PREPARATION

- A. Acclimatization: Ensure that all bamboo products are acclimated for a minimum of 3 days, but more importantly fall within 3% MC (moisture content) of site conditions (contact Sustainable Flooring for MC Calibration chart for bamboo).

3.03 INSTALLATION

- A. Bamboo Millwork: Install and fabricate in accordance with accepted wood working and millwork fabrication standards.

3.04 CLEANING and MAINTENANCE

- A. Clean and maintain in accordance with "finish" Manufacturer's recommendations (recoat as often as needed)

With any questions, or for this in a digital format, contact:

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