

## PlybooSport Bamboo Athletic Flooring Specification



### Part 1 - General Specifications

#### 1.1 Description

A. This document specifies a bamboo gymnasium floor system consisting of PlybooSport flooring, wood subflooring, vapor barrier, sanding, sealers, finishes, game lines and wall base.

B. The general contractor shall provide a concrete slab, troweled smooth and level to a tolerance of 1/8" in a 10' radius, subject to the approval of the flooring contractor.

- Concrete slab depression for 5/8" conicle pad is as follows:  
2-3/8" for 3/4" flooring.
- Concrete subfloors shall have an adequate moisture barrier beneath and at the perimeter of the slab.

#### 1.2 Quality Assurance

A. PlybooSport flooring shall be delivered to the premises a minimum of seven days before installation commences, or as required for acclimation.

B. All flooring bundles should be broken and loosely piled to acclimate the flooring to environmental conditions in the building.

C. All work performed to standards comparable to the Maple Flooring Manufacturers Associations (MFMA) standards.

#### 1.3 Shipping, Delivery, and Storage

A. Do not expose PlybooSport to excessive moisture in shipment, handling, and storage. Deliver in closed cartons and store in a dry location, with adequate air circulation. Do not deliver material to building until "wet work" such as concrete and plaster have been completed and cured to a condition of equilibrium.

B. Maintain 6 to 9 percent average moisture content at project location.

#### 1.4 Project Conditions

Do not proceed with delivery and installation of PlybooSport bamboo athletic flooring until designated location is dry, enclosed, and weathertight. Open sealed packages of flooring planks to permit natural adjustment of moisture content, and let them acclimate for seven days before installation. Maintain temperature range of 55 degrees to 75 degrees or as required, and a relative humidity range of 35 percent to 50 percent before, during, and after installation. Maximum seasonal swing shall not exceed 15 percent.

### Part 2 - Products

#### 2.1 Materials

A. Flooring shall be PlybooSport bamboo flooring; 3/4" thick x 2-1/4" wide x 75' long; first grade, continuous tongue & groove and end matched bamboo.

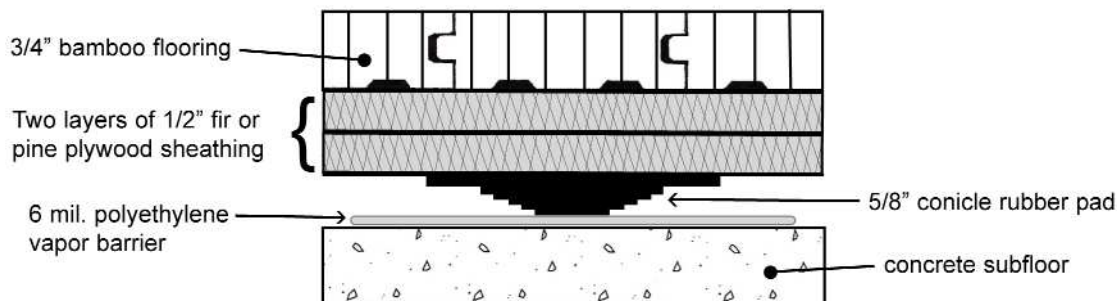
B. Vapor barrier shall be 6 mil. polyethylene.

C. Conicle cushion pads shall be 5/8" x 1-1/2" x 2-1/2"

D. Wall base shall be 3"x 4" heavy duty molded, vented, rubber or vinyl cove base with premolded outside corners.

E. Finish materials shall be selected from the most recent listing of MFMA certified products, and shall be applied according to finish manufacturer's instructions.

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### Part 3 - Execution

#### 3.1 Inspection

- Inspect concrete subfloors for proper tolerance and dryness, and report any discrepancies to the general contractor.
- The concrete slab shall be clear of all debris by general contractor so flooring contractor will have adequate access to work surface.

#### 3.2 Installation

A. Cover concrete subfloor with 6 mil. polyethylene, lapping joints a minimum of 5".

1. Install 1/2" x 4' x 8' APA approved exterior grade plywood with 32 conicles attached, spaced 12" o.c. for 3/4" flooring. Install second layer of plywood or OSB without conicles at 45 degree angle over the first layer and securely fasten to bottom layer.

B. Install finish flooring parallel with the main court using nails or staples 12" o.c.

1. Space joints between flooring strips to allow for intermediate expansion, as designated by the installer and in accordance with local humidity conditions.

2. Provide 2" expansion voids at the perimeter and at all vertical obstructions.

#### 3.3 Floor Sanding

A. Machine sand with coarse, medium and fine paper to a smooth, even, uniform surface.

B. Remove sanding dust from entire surface by tack or vacuum.

#### 3.4 Finishing

A. Inspect entire area of floor to insure that surface is acceptable for finishing, completely free from sanding dust and perfectly clean.

B. Apply sealer and finish per finish manufacturer's instructions.

C. Buff and clean floor between each coat.

D. Paint game lines as shown on drawings, between seal and first coat of finish. Game line paint shall be compatible with finish.

#### 3.5 Base Installation

A. Install vent cove base by anchoring to walls with base cement, screws or anchors. Miter all joints at 45 degree angles.

B. Miter inside corners, and use premolded outside corners.

C. Install thresholds as required, anchoring firmly in concrete floor beyond limits of wood flooring.

#### 3.6 Maintenance

A. Upon completion of floor installation, the owners, attendants or individuals in charge are responsible for the upkeep of the building and are to see that the care and maintenance instruction of the MFMA and the flooring manufacturer are followed.

### Part 4 - Warranty

A. Smith & Fong Plyboo warrants its PlybooSport bamboo floor for a period of one (1) year from the date of substantial completion against defects arising due to faulty materials.

B. This warranty does not cover damage caused by extreme variations in heat, humidity, moisture or dryness (including water saturation caused by wet mopping), or any other sources of extreme moisture, or changes in ambient moisture, humidity, or temperature. No warranty coverage is provided for ordinary wear and tear, including surface scratches, impact damage, or surface damage caused by failure to follow ordinary maintenance procedures. No warranty coverage is provided for variations in color, grain, or markings which are ordinary to natural products or which develop over time because of natural process such as variant exposure to sunlight. Furthermore, any damage to the installed flooring due to earth movement or settlement of the structure where the floor is installed, as well as any damage caused by natural events or acts of God, are not covered under this warranty.