



# Hardwood Aerobic/Basketball Flooring

## CARE & MAINTENANCE

**Your new Boflex Hardwood Sports Floor** has a strong, hard-wearing polyurethane surface. It is sealed with multiple coats of UV-cured finish after sanding and laminated construction is completed. Following the floor installation and the application of any games lines markings or logos, the floor should have two coats of urethane, such as Pacific Sport Lacquer. Once the final installation is completed, your floor will require regular maintenance. If you follow the guidelines below, your floor will remain clean, hygienic and in excellent condition. The lifetime of any hardwood floor depends on the type of use and maintenance it receives. The need to refinish will depend upon these factors and will vary from floor to floor.

### PREVENTIVE ACTION :

1. Provide areas for wiping off shoes, both coming and going at all entrances. We also recommend placing barrier matting at all internal doors to catch any remaining dirt and moisture.
2. Do not permit the use of street shoes or boots inside the gymnasium.
3. Ensure that users do not wear shoes with black rubber soles; they make friction marks on the floor that are difficult to remove.
4. Ensure that moveable athletic equipment, tables, chairs, etc., which are used in the gymnasium, are protected with rubber or felt contact pads. Experience has shown that gouges, scrapes and indentations are caused by improper protection and handling of these types of equipment.

### DAILY /WEEKLY MAINTENANCE :

The floor should be dry mopped or vacuumed regularly to remove all dust, dirt and grit. Once a week (or as often as required), the floor should be cleaned using a slightly dampened mop with a solution of water and a mild, low Ph detergent. There are numerous cleaning detergents that have been developed for hardwood floors and are available at most flooring retailers. Never use any cleaner that contains wax. **NOTE:** Do not “over-wet” the floor. All surface water should be dry mopped and removed immediately.

### REMOVING MARKS , ETC :

To remove marks and residue such as gum, wax or friction marks that periodic cleaning can't eliminate, we recommend mineral spirits. Prior to applying the mild solvent, take a plastic paint scraper and carefully remove lumps of the foreign residue. Take care not to gouge the floor or scrape into the floor finish.

### TO RECOAT THE FLOOR :

As stated above, wood floors need to be relacquered from time to time. There are specific refinishing timetables for screening and recoating your floor. It depends upon usage and the regular maintenance the floor has received.

It is important to note that the top layer of finish is being subjected to all the wear and tear. We recommend that the floor be recoated within two years of installation to build up a strong wear layer. The following signs indicate a need for screening and recoating. **NOTE:** It is preferable to recoat in heavily used areas *before* these signs occur, however, we do not recommend spot finishing unless the floor has already been recoated once.

1. Wearing of the line markings.
2. Wear in high traffic areas (i.e., indoor soccer goal areas and basketball keys).
3. Wear on the floor immediately around and beneath goal posts and frames. It is wise to screen and recoat as frequently as required, using a small brush.
4. Wear around entrance doors.

Why wait for telltale signs of wear and tear? Consider your floor system as an important piece of athletic or fitness equipment—it needs regular maintenance and servicing. A recoating every 18-24 months will typically insure you need not have to totally sand and refinish. (Sanding the floor is a much more drastic process since it requires sanding all the way down to the wood. “Screening” on the other hand, is the process of simply roughing the surface prior to recoating with finish.)

# PRODUCT SPECIFICATIONS

## PART 1 - GENERAL

- 1.1 Scope of Work — This specification covers the furnishing of all materials and complete installation of the prefinished hardwood floor system, vapor barrier, glue, finish thresholds and base. The flooring contractor shall provide the necessary tools and labor for completing hardwood floor system.
- 1.2 Concrete/plywood subfloors — The general contractor shall provide a subfloor which is smooth and level to a tolerance of 1/8" in any 10'-0" radius. Moisture barriers must be adequate for the site conditions.
  - A. The general contractor shall provide a slab depression of 1 1/8" (27mm) for all new constructions.
  - B. Concrete subfloors on or below grade must have an adequate moisture barrier beneath the slab, at the perimeter of the slab and on the sides of below grade installations.
- 1.3 Quality assurance
  - A. Supplier Qualification — The Boflex System, as manufactured by Boen Bruk A/S and distributed by Centaur Floor Systems
  - B. Installer Qualifications — The flooring contractor shall be a firm experienced in the installation of prefinished, floating hardwood systems and be a certified Boflex installing contractor.
- 1.4 Site Conditions
  - A. The floor system shall not be installed until all masonry, plastering, marble or tile work is completed and all overhead mechanical trades and painters have finished their work in the wood floor area. The building shall be enclosed and weather tight.
  - B. Permanent heat, light and air conditioning shall be installed and operative. Flooring shall be installed with the environmental range of temperature and humidity expected in the room area after it is installed.
- 1.5 Warranty — Boflex flooring shall be warranted free of defects in materials and workmanship for a period of five (5) years from date of substantial completion of the floor installation. The warranty shall cover loss of resiliency of foam channels, breakdown of the double tongue and groove connection and delamination of the system. The warranty does not cover damages caused by floods or excess moisture presence.

## PART 2 - PRODUCTS

- 2.1 Materials
  - A. Moisture Barrier — Vapor barrier shall be 6 mil polyethylene
  - B. Foam Channels — Resilient foam channels shall be dual thickness to provide progressive resilience and shall be Evazone 50 grade and quality foam.
  - C. Hardwood Floor Board Construction
    1. The lamination construction shall consist of three layers of wood with the bottom layer running the length of the flooring plank. The middle layer is a diagonal layer of wood consisting of 1" finger strips sandwiched perpendicular to the hardwood top layer and base layer. The top layer shall be northern hard maple or white oak hardwood 3/16" thick with 6 coats of factory finish.
    2. Floor boards shall be triple lamination, double tongue and groove, end matched. Each board shall be two strip or three strip width with an overall dimension of 7'-2" long; 5-7/16" width; 1 1/8" thick.
  - E. Adhesive/Glue — The tongue and groove shall be glued with Boflex adhesive only. Use of any other adhesive shall void all warranties.
  - F. Wall Base — Wall base shall be Boflex oak or maple molded base 2-1/2" in height.
  - G. Finish/Option — Finish material shall be water based urethane. A single or double coat shall be applied as specified by the owner or architect.

## PART 3 - EXECUTION

- 3.1 Inspection
  - A. The wood subfloor or concrete slab shall be inspected for proper tolerance and shall be determined dry by industry standard testing procedures. Any variations should be reported to the general contractor, in writing, for correction by the general contractor or the responsible sub contractor.
  - B. The subfloor shall be free of curing agents, foreign materials and turned over to the wood floor contractor, broom swept and vacuumed.
- 3.2 Installation
  - A. Cover the concrete slab with 6 mil polyethylene, sealing the joints after lapping a minimum 6."
  - B. Install the Boflex flooring parallel to the longest room dimension. Provide a 5/8" expansion void at the perimeter and all vertical obstructions (columns, etc.). For width up to 40' add 1/8" additional expansion for each 10'-0" increase in the overall width of the floor area.

### 3.3 Finishing — optional

- A. Inspect the surface to be perfectly clean and free of all dust or impurities.
- B. Screen the surface then tack before applying the finish coat.
- C. Paint any games lines, logos or graphics before applying finish coat.
- D. Games lines paint must be compatible with floor finish.

### 3.4 Base Installation

- A. Install Boflex wood base over expansion voids, anchoring to walls using adhesive/cement or screws and anchors.
- B. Miter all corners carefully and fill with oak or maple fill, if necessary.
- C. Install metal or wood thresholds and transitions as required.

### 3.5 Maintenance

- A. Upon completion of the floor installation, the owner or individuals responsible for maintenance are to follow the maintenance guidelines provided by Boen Hardwood (Boflex) and the manufacturer of the floor finish.
- B. The areas with hardwood flooring must be adequately ventilated with air circulation. The mechanical equipment must be operational and shall maintain temperature (75° - 60°) and humidity (45-65% RH) as described in section 1.4.