

IsoCushion Hardwood Sports Flooring

CARE & MAINTENANCE

Your new IsoCushion Hardwood Sports Floor has a strong, hard-wearing polyurethane surface. It is sealed with multiple coats of UV-cured finish after sanding. Following the floor installation and the application of any games lines markings or logos, the floor should have another coat 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.)

If you have any questions, feel free to contract us.



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PRODUCT SPECIFICATIONS

PART I — GENERAL

- Gymnasium (55 Durometer IsoCushion)
- Aerobic/Dance (45 Durometer IsoCushion)

- 1.1 Scope of Work** — This document specifies the furnishing of materials and complete installation of solid-strip hardwood gymnasium floor systems, consisting, in general, of solid strip Northern Hard Maple T & G flooring, cushioned wood sub-flooring, vapor barrier, sanding, sealers, games lines, finishes, thresholds and bases. The flooring contractor shall provide all tools and services for the supply, delivery and installation of a complete wood floor system, from the surface vapor proofing of the slab through sanding and finishing, to the installation of perimeter base moldings and thresholds.
- 1.2 Concrete subfloors** — The general contractor shall provide a concrete slab, smooth trowelled and level to a tolerance of 1/8" in any 10'-0" (3 mm in a 3.0 m radius), subject to the approval of the wood flooring contractor. Moisture barriers must be adequate for conditions.
1. The general contractor shall provide a slab depression of 2 1/2" (64 mm) for 25/32" flooring and 2 3/4" (70 mm) for 33/32" flooring material. This is for IsoCushion pads of 3/4".
 - 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 — Supplier of wood flooring and sports floor systems shall be distributed by Centaur Floor Systems
 - B. Installer Qualifications — The flooring contractor shall be a firm experienced in the installation of northern hard maple sports floor systems.
 - C. Acclimation of flooring:
 1. Flooring shall be delivered to and stored on the premises a minimum of seven days before installation, or as required for acclimation.
 2. All flooring bundles should be broken and loosely piled to acclimate the flooring to the moisture conditions of the building.
 3. A moderate temperature range of 55 to 75 degrees F (13 to 24 degrees C) shall be maintained one week preceding and throughout the duration of installation. Humidity conditions within the building shall approximate the humidity conditions which will prevail when the building is occupied.
- 1.4 Working Conditions**
- A. The floor system shall not be delivered or installed until all masonry, plastering, tile, marble and terrazzo work is completed and all overhead mechanical trades and painters have finished in the wood floor areas. The building shall be enclosed and weather tight.
 - B. Permanent heat, light and air conditioning shall be installed and operative during acclimation and installation. Flooring shall be installed at a moisture content compatible with the environmental range of temperature and humidity expected in the room area after it is occupied.
- 1.5 Warranty** — Flooring shall be warranted free from defects in material and workmanship except as provided within the grade specified as per Canadian Lumberman's Association grading rules for a period of one year from date of substantial completion of the floor.

PART II — PRODUCTS

2.1 Materials

- A. Moisture Barrier — Vapor barrier shall be 6 mil polyethylene
- B. IsoCushion Pads — Pads shall be IsoCushion pads, 45 durometer (aerobic/dance) or 55 durometer (gymnasium) natural rubber, frusto-conical shaped 3/4" x 1 7/8" x 7/8".
- C. Subfloor — Subfloor shall be two layers of 1/2" x 4' x 8' exterior grade plywood or equivalent rated sheathing.
- D. Flooring — Finished floor shall be 25/32" or 33/32" thick x 2 1/4" or 1 1/2" wide, T & G and EM, second and better grade.
- F. Flooring Fasteners — Flooring fasteners shall be 2" cleats or 2" epoxy coated staples.
- G. Wall Base — Wall base shall be 3" x 4" heavy duty, molded, vented rubber or vinyl base with premolded outside corners.
- H. Finish — Finish material shall be as specified by architect, as recommended by flooring contractor and shall be applied according to manufacturer's instructions.

PART III — EXECUTION

3.1 Inspection

- A. The 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.
- B. The slab shall be free of curing agents, foreign material and turned over to the wood flooring contractor broom clean.

3.2 Installation

- A. Cover the concrete slab with 6 mil polyethylene, sealing the joints after lapping a minimum 4."
- B. On the bottom subfloor layer, staple 32 IsoCushion pads to the underside of each sheet of plywood, 12" o.c., 6" from all sides.
- C. Install first layer of plywood subfloor in the direction perpendicular to maple flooring. Break panel end joints 4' and leave 1/4" expansion space between adjoining sheets. Provide 2" expansion voids around perimeter and at all vertical obstructions.
- D. Install top layer of plywood diagonally (45 degrees) over the lower layer, leaving 1/4" spacing at all edges and breaking end joints 4'. Attach top layer of plywood with subfloor grade construction adhesive and 1" staples placed 6" o.c. at panel perimeter and 12" o.c. through interior
- E. Flooring— Install strip flooring parallel to the longer dimension of the playing area by power nailing or stapling approximately 12" o.c. Provide adequate expansion spacers at regular intervals across the floor during installation in accordance with local humidity conditions, as designated.

3.3 Floor Sanding

- A. Inspect the entire area of the floor to ensure that surface is acceptable for finishing, perfectly clean and free of sanding dust.
- B. Apply two coats of seal and two coats of finish according to manufacturer's instructions.
- C. Buff and vacuum or tack clean floor between each coat of finish and sealer, after coats are dry.
- D. Paint any games lines between seal coat and first coat of finish.
- E. Games lines paint must be compatible with floor finish.

3.4 Base Installation

- A. Install vent cove base over perimeter voids, anchored to walls using base cement or screws and anchors.
- B. Miter inside corners carefully and use base with premolded outside corners.
- C. Install metal thresholds as required.

3.5 Maintenance

- A. Upon completion of the floor installation, the owner, attendant or individuals responsible for the maintenance of the building are to follow the maintenance guidelines provided by Centaur Floor Systems and the manufacturer of the flooring finish for hardwood flooring maintenance.
- B. Areas of wood flooring installation must be adequately ventilated with natural or mechanical air circulation. Mechanical equipment must be operational and shall maintain temperature and humidity controls described in section 1.4, Working Conditions.