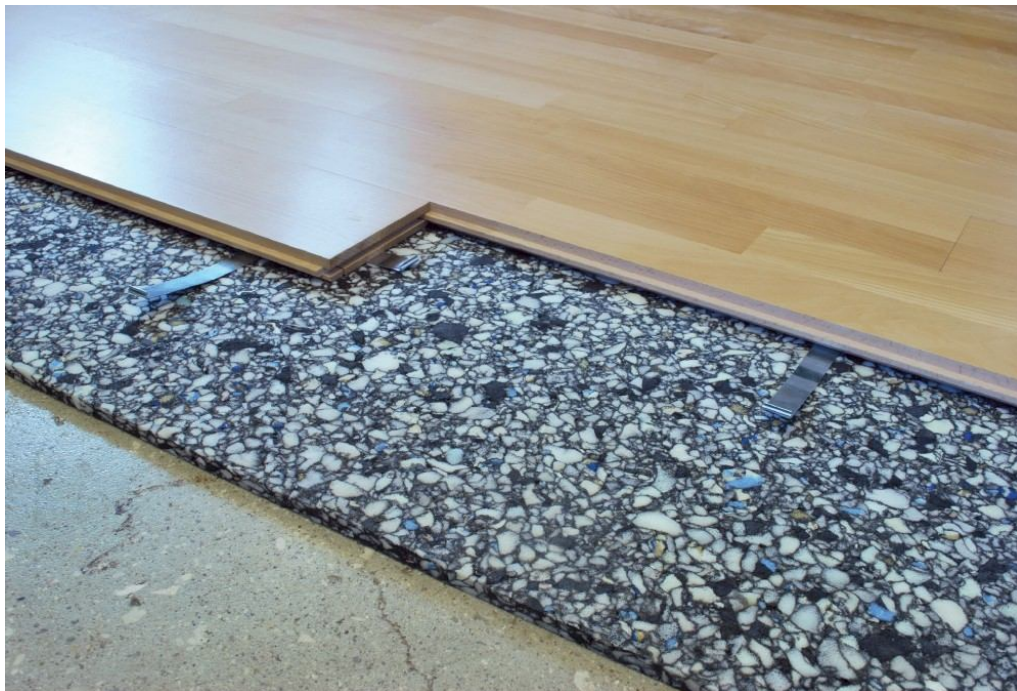




EXTERRA DIN System



The Exterra DIN system meets or exceeds all of the DIN and EN standards for safety and performance for court sports. The floor utilizes the 7/8" solid Exterra beech surface, held together with Silver Spring fasteners over a 1/4" shock absorbing foam pad. The system allows for precise traction, shock absorption, and resilience, while still assuring ideal ball bounce.

Because of its construction, the system goes in quickly, with no further need to sand and refinish the surface after installation. It also is an extremely low profile system at just 1 - 1/8" in height above the existing subfloor.

The floor system is backed by a three year manufacturer's warranty.

EXTERRA DIN System

Part 1 – General

1.1 Description

- A. This document describes a wood strip multi-purpose floor system consisting, in general, of beech flooring, steel spring attachment mechanism, foam underlayment 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 approval of Fitness Flooring, Inc.

F-Numbers are not applicable for multi-purpose slab applications. Labor and materials necessary to put down the concrete slab in acceptable condition (high areas ground down and low areas filled with appropriate leveling compounds) shall be the responsibility of the general contractor. Installation shall not proceed until the concrete slab is in acceptable condition.

- 1. The general contractor shall provide slab depressions as per manufacturer's specifications.
- 2. Concrete subfloors shall have an adequate moisture barrier beneath and at the perimeter of the slab. Subject to local conditions.
- 3. Sand-Poly-Sand slab construction is not acceptable.
- 4. Concrete shall be free of washed river gravel, pea gravel, flint or hardener additives.

- C. Fitness Flooring shall provide all tools and services to install a complete wood floor system from the concrete's surface polyethylene vapor retarder, when required, upward through the installation of prefinished flooring, plus installation of perimeter moldings.

1.2 Quality Assurance

- A. The wood flooring shall be standard grade or better beech planking.
- B. The flooring contractor shall be a certified Fitness Flooring Installer, on-site for the duration of the wood floor installation.
- C. Flooring shall be delivered to the premises and acclimated, if necessary.
- D. All skids of flooring bundles should be opened and spread out to acclimate the flooring to environmental conditions in the building, when applicable.

1.3 Working Conditions

- A. The floor system shall not be delivered or installed until any masonry, plastering/drywalling, tile work and overhead mechanical trades are complete. The building must be enclosed and weather tight.
- B. Permanent heat, light and ventilation shall be installed and operating before, during, and after installation, controlling a temperature range of 55 degrees to 75 degrees and a relative humidity range compatible with expected environmental conditions when the facility is occupied. (Maintaining a maximum 15 percent difference between high and low humidity levels). Expected minimum/maximum indoor relative humidity will depend upon building design, geographic location, HVAC systems and operating schedules. Consult your Fitness Flooring contractor for specific recommendations.

1.4 Warranty

- A. Fitness Flooring shall warrant the floor installation, and shall furnish a flooring materials warranty.
- B. Refer to warranty for specific provisions and exclusions.

Part 2-Products

2.1 Materials

- A. Flooring shall be solid beech flooring, 7/8" X 5-1/8" wide X 85 3/4"; Standard or better, marked and stamped as Exterra™ produced by Fitness Flooring.
- B. Concrete slab surface vapor retarder shall be minimum 6 mil. Polyethylene.
- C. The cushioning pad underlayment shall be closed cell polyurethane foam sheets or rolls as supplied by Fitness Flooring.
- D. Steel Installation Springs shall be heat tempered and plated with chrome.
- E. Wall base shall be 4" x 2" x 4' thermoset vulcanized extruded rubber sanitary base with premolded outside corners as provided by Fitness Flooring.

Part 3-Execution

3.1 Inspection

- A. Inspect concrete slab for proper tolerance and dryness, and report any discrepancies in writing to the general contractor for correction.
- B. The concrete slab shall be cleaned of all debris by general contractor so the accredited installation company will have adequate access to work surface.

3.2 Installation

- A. Cover entire concrete slab with surface vapor retarder, lapping joints a minimum of 6" or as specified by Fitness Flooring.
- B. Install cushioning pad opposite the direction of the beech flooring planks, butting all sheets tightly together and taping seams with duct tape.
- C. Install seven (7) Steel Installation Springs on the underside of each board spacing the installation of each spring by approximately 12". The spring shall be installed into the board by hammering the barbed end of the clip into the groove on the underside of each board, so that the arm of the clip extends approximately 4.5" out from the edge of the tongued side of the board.
- D. Install beech flooring parallel with the long dimension of the room.
 - 1. Provide a 7/8" expansion gap on EACH SIDE of the LONG DIMENSION of the room and any vertical obstructions.
 - 2. On the short side of the room, no expansion space is needed and boards shall be installed as tightly to walls as is possible.

3.3 Base Installation

- A. Install sanitary base by anchoring to walls with base cement.
- B. Miter inside corners, and use premolded outside corners.

3.4 Maintenance

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 instructions of Fitness Flooring are followed.