

## ANCHOR FLEX LP

This newly designed floor system utilizes a plywood panel with DR foam and anchoring thrust pins for dimensional stability and strength. This creates a floor system that is highly resilient, has uniform playability and consistent shock absorption to reduce injuries to athletes.

The Anchor Flex LP Floor System is suitable for gymnasiums, multipurpose, indoor running, dance floors and aerobics.

### PART 1 - GENERAL

#### 1.01 Description

- A. The information herein details a low profile cushioned system comprised of predrilled factory assembled panels consisting of pre-cut 23/32" plywood sheathing, a layer of DR foam, anchoring drive pins and finish flooring.
- B. The general contractor shall provide a steel troweled slab, leveled to a tolerance of plus or minus 1/8" in a 10'0" radius and subject to the approval of the wood floor contractor. Moisture barriers must be adequate for conditions. The concrete slab is to be depressed 1" plus the thickness of the flooring specified.

#### 1.02 Quality Assurance

- A. All system component parts must be supplied by Action Floor Systems, LLC of Mercer, WI.
- B. The flooring contractor must be approved by Action Floor Systems, LLC of Mercer, WI.
- C. Flooring materials must be allowed to acclimate to building conditions on the job site in a dry, well-ventilated area, not in contact with masonry, and shall be installed at a moisture content not to exceed 8% except in areas of constant high humidity where the moisture content of the flooring shall not exceed 10%.

#### 1.03 Working Conditions

- A. The wood flooring shall not be installed until all masonry, plastering, tile, marble, and terrazzo work is completed, and overhead mechanical trades and painters have finished in wood floor area. The building must be reasonably dry; all openings must be closed in; permanent heating, ventilating and air conditioning installed and operating before, during and after installation.
- B. The concrete slab shall be dry, free of foreign materials, and turned over to the wood floor contractor broom clean. Moderate room temperature of 65 degrees or more shall be maintained a week preceding and throughout the duration of the work. Humidity conditions within the building shall approximate humidity conditions which will prevail when the building is occupied. If prior experience indicates relative humidity during sustained heating periods will fall below 35%, building engineering shall introduce moisture into the area when required.

Conversely, if relative humidity increases to 50% or higher, measures should be taken to bring the relative humidity back under control. This may require turning on the heat.

#### 1.04 Warranty

- A. Action Floor Systems, LLC warrants the material it ships to be free from defects in materials and workmanship for a period of one year and the flooring installer warrants the installation of the flooring to be free of defects in materials and workmanship for a period of one year. The exclusive remedy under this warranty shall be replacement of defective material supplied by Action Floor Systems, LLC, or correction of defective installation by the flooring installer. All implied warranties of merchantability or fitness for intended use are limited to the period of this warranty. This warranty excludes consequential damages.
- B. This warranty does not cover damage caused by fire, winds, floods, chemicals or other abuse, or by failure of other contractors to adhere to specifications, or neglect of reasonable precaution to provide adequate ventilation during hot and humid weather. This warranty also excludes damage to floors due to ordinary wear and tear, faulty construction of the building (other than the flooring installation), separation of the concrete slab underlying the floor, settlement of walls, or use of water on the floors.
- C. During period of the warranty, the floor cannot be coated without the approval of the flooring contractor.

## PART 2 - PRODUCTS

### 2.01 Materials

#### A. Flooring

- 1. Flooring shall be 25/32" x 2-1/4", 2nd & Btr. northern hard maple, TGEM, MFMA grade marked as manufactured by Action Floor Systems, LLC.
- 2. OPTIONS:
  - a. Sizes 25/32" x 1-1/2", 33/32" x 2-1/4" or 1-1/2"
  - b. Grades, 1st, 3rd & Btr. and 3rd.
  - c. Action Long-Length strip
  - d. Wood flooring shall be treated by Action Floor Systems, LLC with Woodlife when specified.

#### B. Subfloor

- 1. Vapor barrier shall be 6-mil polyethylene.
- 2. The resilient pad shall be continuous DR foam as supplied by Action Floor Systems, LLC.
- 3. The Anchor Flex LP panels shall be pre-drilled and supplied by Action Floor Systems, LLC.
- 4. Panel anchors shall be drive pins 1/4" x 2" or as dictated by job site conditions.

5. Flooring fasteners shall be 2" cleats or coated staples.
6. Wall base shall be 4" x 3" vented cove base with premolded outside corners (specify black or brown), as supplied by Action Floor Systems, LLC.

### PART 3 – EXECUTION

#### 3.01 Inspection

- A. Inspect concrete slab for proper tolerance and dryness, reporting in writing any discrepancies to the general contractor.
- B. All work required to put the concrete slab in acceptable condition shall be the responsibility of the general contractor.
- C. The slab shall be broom cleaned by the general contractor.

#### 3.02 Installation

- A. Cover concrete slab with poly, lapping edges 6" and seal with adhesive or 2" duct tape.
- B. Place the DR foam over entire concrete slab sealing the joints and edges with 2" duct tape.
- C. Place Anchor Flex LP panels end-to-end in a brick pattern at a 45 degree angle to the direction of the finish flooring.
- D. Secure panels using the 1/4" x 2" drive pins or TapCons.
- E. Machine fasten strip flooring approximately 12" o.c. End joints must be properly driven up. Provide adequate expansion as dictated by the average humidity conditions of the area according to the recommendations of the local Action Floor Systems, LLC flooring contractor. Allow 2" expansion voids at perimeters and all vertical obstructions.

#### 3.03 Floor Sanding

- A. Use coarse, medium, and fine grade sandpaper.
- B. After sanding, buff entire floor using 100 grit screenback or equal grit sandpaper with a heavy-duty buffing machine.
- C. Vacuum or tack floor before first coat of seal.
- D. Floor shall present a smooth surface without drum stop marks, gouges, streaks, or shiners.

#### 3.04 Finishing

- A. Inspect entire area of floor to ensure the surface is acceptable for finishing, completely free from sanding dust, and perfectly clean.
- B. Apply seal and finish per manufacturer's instructions.
- C. Buff and vacuum or tack between each coat after it dries.
- D. Apply game lines accurately after the seal coat, after buffing and vacuuming. Lay out in accordance with drawings. For game lines, use current rules of association having jurisdiction. Lines shall be straight with sharp edges in colors selected by the architect. Game line paint shall be compatible with finish.

### 3.05 Base Installation

Affix rubber vent base to wall with recommended adhesive or screws. Miter all inside corners carefully. Use premolded outside corners.

### 3.06 Clean up

Clean up all unused materials and debris and remove.

### 3.07 Maintenance

Upon completion of floor installation, the owners, attendants or individuals in charge and responsible for the upkeep of the building are to see that care and maintenance instructions of the Maple Flooring Manufacturers Association are followed. Failure to follow care and maintenance guidelines may void warranty.