

## ACTIONFAST FLOOR SYSTEM

ActionFast is a mechanically fastened anchored channel floor system. This low profile system combines the benefits of both the anchored channel and nailed down floor systems. The encased ActionFast channel with its great holding power of hardwood plywood nailers and wrapped by 20-gauge steel, clinches and anchors the flooring nails that are driven in through the tongue of the maple strip flooring. This low profile system is dimensionally stable, eliminates dead spots, and has very good acoustical properties.

ActionFast is a good retrofit system. Suitable for gymnasiums, multipurpose, and commercial use.

### PART 1 - GENERAL

#### 1.01 Description

- A. The information herein details a low-profile nailed system, comprised of steel wrapped hardwood plywood nailer and resilient underlayment of closed-cell flexible foam, and MFMA maple strip flooring affixed to the top.
- B. The general contractor shall provide a level, steel troweled slab to a tolerance of + or - 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 5/8" plus the thickness of the flooring specified.

#### 1.02 Quality Assurance

- A. All system component parts must be supplied by Action Floor Systems, LLC.
- B. The flooring contractor must be approved by Action Floor Systems, LLC.
- C. Flooring materials must be allowed to acclimate to building conditions on the jobsite 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 and air conditioning installed and operating.
- B. The subfloor shall be dry, free of foreign materials, and turned over to the wood flooring 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. Care should be taken to maintain humidity within the range of 35% to 50% and temperature 55 - 75 degrees.

#### 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 due to excessive dryness or excessive moisture from humidity, spillage, migration through the slab or wall or any other source. 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 the walls, or use of water on the floor.

- C. During the warranty period, the floor cannot be coated without the permission of the floor contractor.

## PART 2 - PRODUCTS

### 2.01 Materials

#### A. Flooring

1. Flooring shall be MFMA hard maple strip flooring 25/32 x 2-1/4" as manufactured by Action Floor Systems, LLC. Option sizes are: 25/32 x 1-1/2", 33/32 x 1-1/2" and 33/32 x 2-1/4".
2. Grades available are MFMA 1st, 2nd&Btr., 3rd&Btr., and 3rd grade.
3. Action Long-Length strip.
4. Wood flooring may be treated by Action Floor Systems, LLC. with Woodlife F when specified.

#### B. Subfloor

1. Vapor barrier shall be 6-mil polyethylene.
2. Resilient underlayment shall be 5/8" thick rolls of multi-cellular, closed-cell flexible foam with density of 1.7 - 2.3 PCF and factory machined grooves 12" o.c. as supplied by Action Floor Systems, LLC.
3. ActionFast nailers shall be 3/8" 4-ply hardwood plywood and wrapped with 20-gauge roll-formed steel as supplied by Action Floor Systems, LLC.
4. Channel anchors shall be 5/16" minimum diameter flat head, minimum 2" long, or as approved by Action Floor Systems, LLC.
5. Flooring fasteners shall be 2" barbed cleats or 15-gauge coated staples.
6. Perimeter wall base shall be 3" x 4" rubber vented cove base with matching pre-molded outside corners (specify Black or Brown), as supplied by Action Floor Systems.

## PART 3 - EXECUTION

### 3.01 Inspection

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

### 3.02 Installation

- A. Cover concrete slab with poly lapping edges 6".
- B. Place grooved foam underlayment on slab, groove side up in a brick pattern, with grooves across short dimension of room. A variable void may be left at the perimeter, not to exceed the width of the perimeter base.
- C. Place steel channels in grooves, anchoring the channels 14" o.c. with steel drive pins. Use additional pins at ends of channels. Offset channel ends with ends of grooved underlayment a minimum of one foot.
- D. Machine nail strip flooring at right angles to ActionFast nailer strip at each nailer intersection. End joints must be driven up and proper spacing provided for the humidity conditions of the area as recommended by the local Action Floor's flooring contractor. Allow 2" voids at perimeter and all vertical obstructions.

### 3.03 Floor Sanding

- A. Use coarse, medium and fine grade sandpaper.
- B. After sanding with drum sander, 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 finish.
- 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 that the surface is acceptable for finishing, completely free from sanding dust and perfectly clean.
- B. Apply seal and finish per manufacturer's instructions.
- C. Screenback or steel wool 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

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

### 3.06 Clean Up

- A. Clean up all unused materials and debris and remove from premises.

### 3.07 Maintenance

- A. Upon completion of floor installation, the owners, attendants or individuals in charge and responsible for the upkeep of the building are to see that the care and maintenance instructions of the MFMA are followed. Failure to do so may void warranty.

IT IS THE POLICY OF ACTION FLOOR SYSTEMS, LLC. TO CONTINUOUSLY UPDATE AND IMPROVE OUR PRODUCT LINES. THEREFORE, WE RESERVE THE RIGHT TO CHANGE, MODIFY OR DISCONTINUE SYSTEMS, SPECIFICATIONS AND ACCESSORIES OF ALL PRODUCTS AT ANY TIME WITHOUT ANY NOTICE OR OBLIGATION TO ANY PURCHASERS.