

SECTION 09550
TRU-MAPLE CUSH
PRODUCT SPECIFICATIONS AND INSTALLATION INSTRUCTIONS

1.01 DESCRIPTION

- A. The information herein details the Tru-Maple Cush maple floor system as supplied by Allied Products, LLC. This is a high profile cushioned system comprised of padded treated sleepers, with MFMA strip flooring affixed to the top.
- B. The general contractor shall provide a level slab, steel troweled 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 recessed 1-7/8” (using a 3/8” pad) plus the thickness of the flooring specified.

1.02 QUALITY ASSURANCE

- A. All system component parts must be supplied by Allied Products, LLC, PO Box 1431, Sherwood, OR 97140, 1-800-864-1272, Fax: 503-625-3748.
- B. 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 and air conditioning installed and operating.
- B. The concrete slab 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 that will prevail when the building is occupied. If prior experience indicates relative humidity during a sustained heating period 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 under control. This may require turning on the heat.

1.04 WARRANTY

- A. Manufacturer 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, 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.

2.01 MATERIALS

- A. Flooring
 - 1. Flooring shall be hard maple standard strip flooring, 25/32” (or 33/32”) x 2-1/4” (or 1-1/2”) as supplied by Allied Products, LLC.
 - 2. Grades available are MFM 1st, 2nd & Btr., 3rd & Btr., and 3rd grade.
 - 3. Wood flooring may be treated with Woodlife F when specified.

- B. Subfloor
 - 1. Vapor barrier shall be 6-mil polyethylene.
 - 2. Sleepers shall be spruce, pine or fir, nominal size 2"x3"x4', surfaced to uniform thickness, kiln dried to a 12% moisture content or less, and Woodlife F treated, each with five ActionCush or AirTech natural rubber pads attached to the bottom of the sleeper 12" O.C.
 - 3. Flooring fasteners shall be 2" cleats or 2" staples.
 - 4. Wall base shall be 4"x3" vented cove base with pre-molded corners (specify black or brown), as supplied by Allied Products, LLC. Note: Base is not to be installed on racquetball and squash courts.

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.
- C. Slab shall be broom cleaned by the general contractor.

3.02 INSTALLATION

- A. Cover concrete slab with poly, lapping edges 6".
- B. Place the ActionCush sleepers end-to-end in a brick pattern at right angles to the intended directions of the finished flooring with end joints staggered 24". The sleepers shall be spaced 12" on centers for 33/32" flooring and 9" on centers for 25/32" flooring. (When 3rd & Btr. or 3rd grade flooring is specified, sleepers shall be spaced 8" on centers for both 33/32" and 25/32" flooring.)
- C. Machine nail strip flooring at right angles to sleepers. End joints must be properly driven up. Provide adequate expansion at regular intervals across the floor during installation as dictated by the average humidity conditions of the area according to the recommendations of the flooring installer. Provide 1/2" expansion voids at perimeters and all vertical obstructions for racquetball and squash courts (2" for gym floors).

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 sealer 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 rulers 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 pre-molded outside corners. Install aluminum thresholds as required, anchoring firmly in concrete floor beyond limits of wood flooring. Note: Base is not to be installed in racquetball or squash courts.

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 owner, 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.