

**GUIDE SPECIFICATION - ROBBINS AEROBI-STAR®  
PORTABLE SUSPENDED MAPLE FLOOR SYSTEM  
PATENTED**

**Aerobi-Star Features:**

- Portable modular design for expandability
- Aerobi-Star Bio-Cushion pad for ideal user comfort and performance
- Bio-Guard protectors keep pads intact during handling
- Concealed "Quick-Turn" locking system with no surface hardware
- Interlaced sleeper placement for uniform resilience and floor performance

**Aerobi-Star Options:**

- Choice of panel sizes - 4' x 8' sections or 2' x 8" for added ease in handling.
- Transport/storage carts - steel-framed construction featuring heavy-duty casters for easy maneuvering.
- Transition ramps - Customized ramps ease the transition from Aerobi-Star surface to subfloor.

**Part 1 - GENERAL**

**1.01 DESCRIPTION**

A. Portable Aerobi-Star® - prefinished Maple portable resilient modular flooring system consisting of inter-connecting sections secured with concealed "Quick-Turn™" locks.

**1.02 SCOPE**

- A. Related work specified under other sections. (A cross reference should be incorporated in these sections.)
1. Subfloor - concrete or other shall be furnished and installed by general contractor depressing subfloor 2-7/8" or providing edge transition detail. Subfloor tolerance shall be plus or minus 1/8" in a radius of 10' and smooth.
  2. Membrane, waterproofing and dampproofing - subfloors on or below grade shall be adequately waterproofed beneath and at perimeter.
  3. Thresholds and perimeter transitions to be supplied by general contractor.

**1.03 QUALITY ASSURANCE**

A. Supplier qualifications - supplier shall be an established firm in the field of fabricating portable wooden floors.

**1.04 SUBMITTALS**

- A. Manufacturers Product Data - submit 3 Robbins Aerobi-Star specifications.
- B. Samples - submit 1 sample of Robbins Aerobi-Star system.
- C. Maintenance Literature - submit 3 copies of Robbins or MFMA wood care instructions.

**1.05 DELIVERY, STORAGE AND HANDLING**

A. Materials shall not be delivered, stored or installed until all masonry, painting, plastering, tilework, marble and terrazzo work are completed. All overhead mechanical work, lighting, backstops, scoreboards are installed. Room temperature of at least 55 to 80 degrees Fahrenheit and a relative humidity range of 35-50%. Ideal installation/storage conditions are the same as those which will prevail when building is occupied.

## **1.06 JOB CONDITIONS**

A. Do not install floor system until concrete has been cured 60 days and the requirements in section 1.04 have been met.

B. Permanent heat, light and ventilation shall be installed and operating during and after the installation. Maintain a room temperature of at least 55 to 80 degrees Fahrenheit and a relative humidity range of 35-50%.

## **1.07 GUARANTEE**

A. Guarantee shall not cover damage caused in whole or in part by casualty, ordinary wear and tear, abuse, use for which materials is not designed, faulty construction of the building, settlement of the building walls, failure of other contractors to adhere to specifications, separation of the concrete slab and excessive dryness or excessive moisture from humidity, spillage, migration through the slab, wall or other source.

B. Robbins, Inc. hereby warrants Aerobi-Star to be free from manufacturing defects for a period of one year. This warranty is in lieu of all other warranties, expressed or implied, including but not limited to any warranty of merchantability or fitness for a particular purpose, and of any other obligations on the part of Robbins. In the event of breach of any warranty, the liability of Robbins shall be limited to repairing or replacing material and system components supplied by Robbins and proven to be defective in manufacture, and shall not include any other damages, either direct or consequential.

## **Part 2 - PRODUCT**

### **2.01 AEROBI-STAR MATERIALS**

A. Aerobi-Star Panel construction - specify 4' x 8' (165 lbs.). Options: (delete or modify above) 2' x 8' (85 lbs.) section.

1. 3/4" Bio-Cushion Aerobi-Star Pad
2. Bio-Guard pad protectors
3. 2" x 3" Pine or Fir supports, 9" on center
4. Load Distribution subfloor material
5. Maple Flooring - Robbins Natural Grade Maple. Options: (delete or modify above) Robbins MFMA 2nd & better or 1st grade Maple.
6. Concealed "Quick-Turn" locking system
7. Robbins urethane finish.

## **Part 3 EXECUTION**

### **3.01 INSPECTION**

A. Inspect subfloors for proper tolerances and dryness, and report any discrepancies to general contractor in writing.

B. All work to put subfloors in acceptable condition shall be responsibility of general contractor.

C. Subfloors shall be cleaned by general contractor.

### **3.02 ASSEMBLY**

DO NOT SLIDE PANELS FROM STACKS.

A. NOTE: Start laying floor with "A" row panel sections.

B. Sections are connected with ROBBINS "QUICK-TURN" LOCKING SYSTEM - two 3/8" bolts using speed wrench or swivel-type socket wrench.

C. With "A" row complete, proceed to "B" row, starting with the half section, then complete same as "A" row.

D. Proceed to "C" row, then "D" row, etc. until floor is complete.

### **3.03 DISASSEMBLY**

A. Start with last section installed, remove 3/8" bolts using speed wrench or swivel-type socket wrench. Pull panels apart.

B. Continue this process until floor is completely pulled apart.

C. When stacking sections, be certain to stack them face to face and back to back to prevent surface damage. NOTE: DO NOT SLIDE PANELS ONTO STACKS.