I. JOB CONDITIONS

a. Areas to receive Tajima Sports flooring shall be clean, fully enclosed, weather tight, adequately lighted, and heated to a minimum of 68º F (20º C) for a minimum of 72 hours prior to, during, and permanently after installation is completed; heat shall be provided by a permanent heating system. Salamanders and other temporary or portable heating systems are not acceptable.
b. Do not install sports flooring until the work of all other trades have been completed, especially overhead trades. Installed flooring shall not be exposed to heavy traffic or heavy rolling loads or any type of maintenance procedures until the adhesive has cured for a minimum of 24 hours. If emergency conditions require the movement of equipment or furniture, the flooring should be protected with heavy planks or a minimum of 1/2" thick plywood to prevent damage.
c. Do not install sports flooring until subfloor conditions are suitable.

II. SUITABLE SUBFLOORS

a. Concrete (structural) – Concrete substrate shall conform to requirements of ASTM F71005 Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring.
b. New or existing concrete must be structural, minimum 3,500-psi compressive strength (150 lbs. per cubic foot). Surface of concrete shall be steel troweled, smooth, flat, and level. Concrete surface must be free of all contaminants. Sand surface of concrete with heavy-duty rotary disk sander with coarse sandpaper to remove any surface dirt and miscellaneous contaminants. Curing compounds, concrete sealers, hardeners, paint, oil, grease, and all adhesives must be removed by bead blasting. Do not use chemical materials to remove these contaminants. CONCRETE MUST BE DRY. EcoBond adhesive is warranted to withstand concrete moisture emissions up to 7.0 lbs/24 hours/square foot 85% RH and pH must be no more than 11. Patch and repair all minor cracks, voids, and other imperfections with cement based concrete patching material; minimum 4,000 psi; equal to Ardex or Mapei. If concrete is out of level, it should be corrected by using 4,000 psi leveling underlayment’s, equal to Ardex or Mapei. After sanding, patching, and preparation work has been completed the entire area should be vacuumed with heavy-duty commercial vacuums as a final cleaning.
c. Plywood APA graded minimum thickness 1/2". Please contact us for specific construction details and specifications.
d. Unsuitable Subfloors – Particleboard, chipboard, flake board, Luan, tempered or untempered hardboard, lightweight concrete, gypsum underlayment or fire retardant plywood are not suitable for installation of Tajima Sports Flooring. Also do not install Mutiwood Sports Flooring over any type of existing resilient tile or sheet floor coverings. These materials must be completely removed and all adhesives bead blasted from surface of concrete.

NOTE: Contact the supplier–Tajima Flooring, Inc. 888-652-2111, regarding all other types of substrates for specific recommendations.
III. TEST REQUIREMENTS

a. Conduct calcium chloride tests to verify moisture condition of concrete substrate. Take a minimum of three tests or one per every 1,000 square feet per ASTM F1869 Testing Method. Moisture in concrete shall not exceed 7.0 lbs. per RMA test procedure. The relative humidity must not exceed 85% in the concrete slab per ASTM 2170 testing methods. Also test concrete for pH. pH of concrete must not exceed 11 when using. Make a minimum of three adhesive bond tests (72 hour tests) to verify that a satisfactory bond has been accomplished.

IV. HANDLING AND STORAGE

a. Tajima Sports flooring shall be placed at job site for a minimum of three days under acceptable conditions to acclimate material. Rolls should be stacked vertical. Palletized material shall not be stacked on top of each other. Inspect material delivered to verify that you have received the correct product, type, pattern, size, thickness and color. Also check all material during installation process to make sure there are no visible defects. Do not cut, fit, or install material with visible defects.

V. INSTALLATION INSTRUCTIONS

a. Tajima Sports Flooring shall be installed only by experienced professional flooring contractors that are experienced with the installation of heat welded sheet vinyl’s. Do not proceed with installation until building is weather tight, fully enclosed, and heated with a permanent heating system to a minimum of 68°F (20º C). Also concrete should be properly cleaned and prepped prior to installation. Moisture tests of concrete shall not exceed 7.0 lbs.

b. All Tajima Sport flooring shall be installed using the recommended adhesive - EcoBond Sports for structural concrete or APA graded floors

c. Roll out Tajima Sports flooring with pattern surface UP. Allow minimum 1/8” space between sides and ends of all rolls. Do not mix different dye lots in same area. Allow material to relax for a minimum of 24 hours prior to fitting or bonding. Do not install, fit, or glue any material with visible defects. After material has been allowed to relax side and end seams should be lapped a minimum of 1 to 2. Fit all seams with a good quality under scriber. Under scriber should be set to allow a 1/64” gap at side seams. This will allow the chamfering (grooving) machine to easily follow the seam. Fit end seams NET. Do not leave gaps or pressure fit end seams.

d. All Tajima sports installations using BleacherBlok must use a 2 part epoxy adhesive for the BleacherBlok area.

NOTE: It is important that you have a clean, straight, and undamaged edge for the under scriber to guide itself. If this edge of the sheet is damaged or is not acceptable it should be straight edged and pre-trimmed with a utility knife. This will insure accomplishing a proper seam to receive the heat welding thread. Fold back sheets of flooring approximately halfway. Heat weld all side seams with matching welding thread. We recommend using Leister or Zinzer equipment to accomplish quality welds. Be sure to practice the heat welding procedure on scrap material first before welding installed material. After you are able to accomplish a satisfactory weld on scrap material you can then proceed to weld installed material. Chamfer (grooving) sheet vinyl side seams and heat weld side seams with matching welding thread and allow welds to cool 30 minutes.
prior to trimming. End seems should be under scribed and trimmed to ensure a good fit. These seems should then be heat welded or chemically welded. If using chemical weld - allow chemical welds to set and cure for a minimum of 1 hour. Keep traffic off all seams for a minimum of 1 hour. For the first 72 hours after installation normal foot traffic is allowed. Do not allow any heavy traffic or movement of heavy equipment or furniture for at least 24. In emergency if such equipment or furniture must be moved then protect the surface of the sheet vinyl with heavy planks or minimum 1/2 plywood to protect surface from damage.

e. Application of game lines can begin after adhesive has setup and cured for a minimum of 24 hours. Heat welds and chemical welds should also be allowed to cure for 24 hours. Game lines should be applied with Endura game line paint by experienced professional game line applicators. Application shall be in strict accordance with current printed game line instructions. Be sure to inform building owner that no traffic should be allowed on the floor until game lines have dried and cured for 72 hours. Also maintenance should not begin for at least 72 hours after game lines have been applied.

VI. Optional BleacherBlok Installation Instructions
   a. BleacherBlok material covered against excessive permanent indentation caused by bleachers or other equipment up to 750 psi by a two (2) year written, limited warranty. Warranty only covers areas where BleacherBlok is installed and for bleachers or equipment that is in proper working condition.
   b. Adhesive Recommendations: EcoBond Sport adhesive is recommended adhering BleacherBlok to concrete. Mapei G19 (2-part polyurethane) is recommended between BleacherBlok and Tajima Surface Material.
   c. BleacherBlok to be installed in opposite direction of Surface Material.
   d. BleacherBlok is 5.0mm thick and used with 2.0 surface material for 7.0mm Sports Flooring. BleacherBlok is 36” wide rolled rubber in varying roll lengths and is 16.5 lbs/sy.
**Installation Guide**

1. **68° F (20° C)**
   - Store adhesive at a minimum temperature of 68° F (20° C) for 24 hours prior to installation.
   - Condition flooring per manufacturer's recommendations.

2. **Ensure substrate, flooring and surrounding areas are clean and dust free.**
   - Damp-mop substrate if dust is present.
   - Only use Portland based patching and leveling compounds.

3. **Wipe hand across surface.**
   - If dust transfers, substrate is not clean.

4. **HVAC must be continuously operated for a minimum of 72 hours at a temperature of no less than 68° F (20° C) prior to installation.**

5. **Protect from overspray with a spray shield, drop cloths, paper or masking.**

6. **Shake aerosol can well for 30 seconds.**
   - Remove white cap.

7. **Attach hand lever.**
   - Slide under lip. **OR**
   - Use your finger.

8. **Stand straight up, bend over only when necessary.**
   - Adhesive should spray out in a wide mist and fall similar to snow towards desired surface.
   - Hold can upside down slightly away from the body as illustrated, approximately 20-30 inches (50-76 cm) horizontally from the substrate. Aim at floor and press hand lever or press tip with finger.
   - Avoid extremely heavy application. For proper coverage refer to spray pattern photo on back.

9. **Smoothly walk back and forth to uniformly apply adhesive and achieve results in the photo on the reverse side.**
   - **NOTE**
     - Spraying in a sweeping motion may result in an inconsistent spray pattern.
     - Excess buildup or inconsistent spray pattern on substrate may cause telegraphing.
10. For sheet vinyl applications only, seams and perimeter double coverage.

11. To ensure optimal spray pattern, remove any adhesive build up that may occur during the application process.

12. Wipe overspray off with a damp cloth. If overspray dries, remove with mineral spirits.

13. Allow adhesive to dry until there is no adhesive transfer when lightly touched.

14. Open time after application is 3 hours. While open, ensure that adhesive is not contaminated by dust.

15. Roll flooring with a 100 lb. (45 kg) roller within 1 hour after installation to complete the bonding process.

16. You may heat weld the product 1 hour after adhesive application.

Coverage Per Can
150-185 ft² (14-17.2 m²)
Match spray pattern by placing guide on floor.