



## **Tajima Luxury Vinyl Tile and Plank (LVT) Installation Recommended: EcoBond LVT Adhesive**

### **Job Conditions:**

- The installation of flooring shall proceed only after the work of other trades has been completed especially overhead trades.
- Areas to receive Resilient flooring shall be clean, adequately lighted, fully enclosed, weather tight, and heated to a minimum of 68°F (20°C) for 72 hours before, during, and after installation is completed.
- Heat should be maintained in areas to receive flooring with the building's permanent heating system. Salamanders and other temporary heating devices should not be used.
- 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 72 hours.
- If emergency conditions require the movement of equipment or furniture, the flooring should be protected with heavy planks or a minimum of ½" thick plywood to prevent damage.

### **Suitable Substrates:**

- **Concrete Substrate:** Concrete substrate shall conform to requirements of ASTM F-710-05-Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring).
- Concrete subfloors shall be steel troweled finished smooth, flat and level. Concrete shall be wet cured for a minimum of 30 days to 3,500 psi.
- Flatness of concrete shall be  $\pm 1/4"$  in a 10'-0" radius.
- Do not apply any type of coatings, surface sealers, hardeners, or curing membranes to the surface of the concrete. These materials will prevent proper bond of the floor-covering adhesive.
- Minor cracks, chips, and spalls shall be patched with cement based patching material, i.e. Ardex or Mapei.
- Level high spots by grinding or sanding. Any required leveling shall be done with cement-based underlayment, minimum 3,500 psi, i.e., Ardex or Mapei.
- Patching and underlayment material shall be applied in strict accordance with manufacturer's specifications and installation instructions.
- Concrete and underlayment must be dry. EcoBond adhesive is warranted to withstand concrete moisture emissions up to 7.0 lbs/24 hours/square feet, 85% RH and pH must be no more than 11.
- If the concrete is contaminated with any type of sealer, hardener, curing membrane, paint, oil, grease, adhesives, and any other type of penetrating material it should be removed thoroughly by bead blasting. Sanding is not adequate and chemicals should not be used to accomplish removal. After concrete preparation has been completed, sweep and vacuum surface thoroughly to remove all miscellaneous dirt and contaminants.
- **Existing Resilient Flooring:** IF TAJIMA TILES ARE TO BE INSTALLED OVER SUITABLE EXISTING RESILIENT FLOORING, YOU MUST USE ECOBOND Adhesive
- It is possible that joints of existing resilient flooring may telegraph through Tajima tiles. This is a common occurrence and is not a product defect.
- **Hospital Beds** In the event that Tajima LVT tile is to be used in patient rooms the area under the beds must be installed using EcoBond Sheet adhesive system. This will minimize any future complaints regarding indentation.

### **Unsuitable substrates:**

- Particleboard, chipboard, flake board, hard board, lightweight aggregate concrete or gypsum underlayment are not suitable substrates for installation of vinyl flooring.
- Contact us for recommendations regarding all other types of substrates.

### **Layout:**

- Establish chalk guidelines, which are at right angles to each other from which the tile are to be laid. Measure the area to find the best starting point for maximum size perimeter cuts.

Tajima Flooring, Inc. 1-2011

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**Installation:**

Before beginning Installation Check actual boxes of all tiles to be sure that correct color of tile, pattern, and quality has been shipped for your specific installation. DO NOT MIX DYELOTS IN THE SAME AREA.

- Observe wearing surface and back of all tiles to be sure there is no damage or defects. Do not install or glue tile with visible defects. Tiles that may have minor defects on one side of tile or at edges can be used for trimming and fitting at walls and columns.
- Lay tiles starting at the center of the room working towards the walls. Lay following the directional arrows on back of tiles.
- The perimeter tiles must be cut up to the wall from the field tile. The perimeter tiles should be accurately scribed against the wall and any projections coming out from the walls. Cut tiles from the face side with a sharp knife. Do not jam tiles. Keep foot traffic off laid area while installing to prevent shifting.
- Install Tajima LVT tile with EcoBond adhesive system
- Please note complete instructions on adhesive containers.
- All corners of tiles shall be butted, not staggered. Planks are to be staggered for uniform and natural look. Square tiles will have an arrow on the back of the tile or a line. The square tiles should be installed with the arrow or lines at 90 degree angles to each other in order to accomplish uniformity of color and pattern. Layout tiles loosely a minimum of 15 to 20 tiles, to verify uniformity of color and pattern.
- If the tiles cannot be installed with a uniform appearance, do not install the floor tiles. Contact us for assistance.
- Fit tiles carefully and neatly to all pipes, columns and other obstructions without voids, especially where there will be no base installed.
- Within one hour after installation, roll the tiles thoroughly in both directions with a 75-100 pound roller, to properly seat the tiles into adhesive.
- Once rolled, the floor is available for immediate use.
- Fit tiles properly at walls. Do not over-fit tiles as that will cause them to buckle.
- During installation of tiles, remove any spilled adhesive or adhesive that may be squeezed through joints with a clean white rag dampened with soapy water. If adhesive has set prior to removal with a damp rag, it can be removed with mineral spirits solvent.

**Protection:**

- The floor is designed to properly support a static load of 450 psi. Furniture, equipment, and rolling loads should not exceed these limits. If they do, legs of such equipment and furniture should be properly supported to prevent damage to tiles. Protect floor surface with wood or sheets of plywood whenever heavy equipment or furniture must be moved
- Chair pads are recommended under chairs with roller casters.
- Felt pads are recommended under chairs with sharp or unprotected edges to prevent scratching.

Tiles should be properly maintained in accordance with Tajima manufacturer's recommendations.

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# Installation Guide

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


- 2.
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- 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.

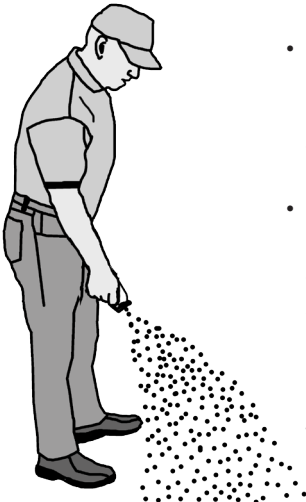
- 3.
- 
- Wipe hand across surface.
  - If dust transfers, substrate is not clean.

- 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.

Coverage

150-185 ft²

Per-can

10.



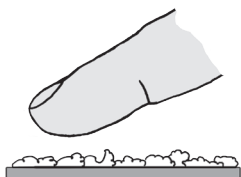
- To ensure optimal spray pattern, remove any adhesive build up that may occur during the application process.

11.



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

12.



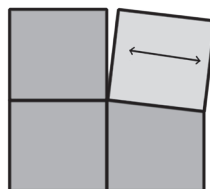
- Allow adhesive to dry until there is no adhesive transfer when lightly touched.
- High humidity and/or low temperature increases tack time.

13.



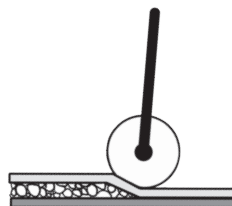
- Open time after application is 4 hours. While open, ensure that adhesive is not contaminated by dust.

14.

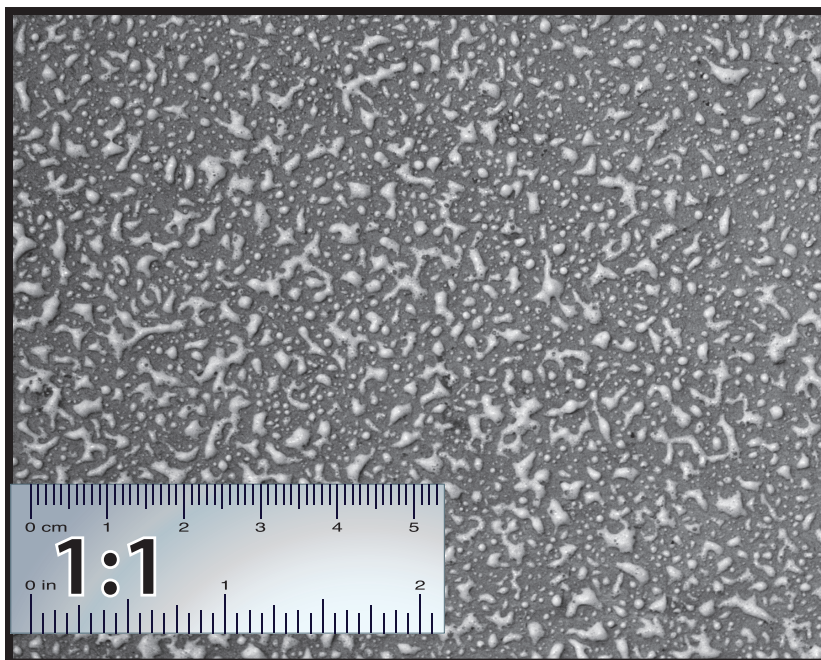


- Follow flooring manufacturer's recommendations for installation.
- Position Tile or Plank.
- Ensure proper alignment before application of pressure.
- Reposition as necessary.

15.



- Roll flooring with a 100 lb. (45 kg) roller within 1 hour after installation to complete the bonding process.
- After rolling, floor is ready for all access.



### Coverage Per Can

150-185 ft<sup>2</sup> (13.9-17.1 m<sup>2</sup>)

Match spray pattern by placing guide on floor.



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