



Installation Instructions

Luxury Vinyl Tile & Plank (LVT) Naturals

(Manufacturer's Approved Adhesive is Chapco 231)

JOB CONDITIONS

The installation of flooring shall proceed only after the work of other trades has been completed, especially overhead trades. Areas to receive sports flooring shall be clean, adequately lighted, fully enclosed, weather tight, and heated to a minimum of 65° to 70° F. 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 SUBFLOORS

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; maximum 5.0 lbs. of moisture per 1,000 sq. ft. per 24 hours as tested by Calcium Chloride Test Kits per R.M.A. test procedure. Test pH of concrete. pH shall be <10 . 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.

UNSUITABLE SUBSTRATES

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

Hospital Beds In the event that Tajima LVT tiles are to be used in patient rooms the area under the beds must be installed using one of the recommended 2-part polyurethane or epoxy adhesives. This will minimize any future complaints regarding indentation.

INSTALLATION INSTRUCTIONS

1. Test concrete for moisture using only calcium chloride test kit procedures. Perform a moisture test every 1,000 square feet or a minimum of two tests. Moisture must not exceed 5.0 lbs. per 1,000 square feet in 24 hours per calcium chloride test.
2. Check actual boxes of all tile 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.**
3. 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. Install Tajima tile with Chapco #231 adhesive using a notched trowel with notches 1/16" wide by 1/16" deep, spaced 1/16" apart. **Set tiles into adhesive within 10-20 minutes after spreading while adhesive is still wet.** Please note complete instructions on adhesive containers. All corners of tiles shall be butted, not staggered. 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° 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. NOTE: Stagger end joints of planks randomly 4" to 14". All edges of LVT planks are slightly beveled to prevent chipping and damage. Fit tiles carefully and neatly to all pipes, columns and other obstructions without voids, especially where there will be no base installed. Within one-half hour after installation, roll the tiles thoroughly in both directions with a 150-pound linoleum roller, to properly seat the tiles into adhesive. Check tiles two to three hours later and roll again. 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 water. If adhesive has set prior to removal with a damp rag, it can be removed with mineral spirits solvent. Foot traffic is allowed after installation of tile is completed, but heavy traffic should be not allowed for 72 hours. Also, floor surface should not be cleaned until 72 hours after installation is completed.

The floor is designed to properly support a static load of 1100 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. Chair pads are recommended under chairs with roller casters. Protect floor surface with wood planks or sheets of plywood whenever heavy equipment or furniture must be moved.

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

***PLEASE NOTE: IF TAJIMA TILES ARE TO BE INSTALLED OVER SUITABLE EXISTING RESILIENT FLOORING, YOU MUST USE G-19/G-21 TWO-PART POLYURETHANE ADHESIVE.** Also, 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.

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