



LVT and Plank Installation Instructions

(Manufacturer's approved adhesive is Eco Bond LVT or TAJ585)

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 65o to 70o 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 when using TAJ585. Eco Bond adhesive allows immediate foot traffic.
- 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.

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; 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 or less than 75% Relative Humidity per ASTM F2170 test method. Test pH of concrete when using TAJ585 adhesive – or 8.0lbs/square feet, or less than 90% RH when using the Eco Bond LVT adhesive system.
- PH shall be <10 when using TAJ585, or PH shall be <11 when using Eco Bond LVT
- 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 SIENA TILES ARE TO BE INSTALLED OVER SUITABLE EXISTING RESILIENT FLOORING, YOU MUST USE ECO BOND LVT ADHESIVE.
- It is possible that joints of existing resilient flooring may telegraph through Siena tiles. This is a common occurrence and is not a product defect.



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- Siena approves the use of installation of our LVT products over a wood sleeper system. The key to ensuring a successful install is to ensure the substrate is clean, smooth and dust free to ensure successful bond using the Eco Bond adhesive.

Hospital Beds In the event that Siena LVT is to be used in patient rooms the area under the beds must be installed using the recommend EcoBond Sheet adhesive system. (no substitutions) This will adhesive will tolerate point loads and heat welding to occur within 4 hours of installations.

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.

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 Siena LVT tile with Eco Bond LVT adhesive system or TAJ585 adhesive using a notched trowel with notches 1/16"wide by 1/16"deep, spaced 1/16"apart; for non-porous sub-floors use a 1/32"x1/32x 1/16" notched trowel.
- Immediately after spreading the adhesive, roll it with a short nap roller dampened with adhesive to flatten the adhesive ridges. This procedure will expedite the set up time and ensure the trowel notch pattern does not telegraph through to the finished floor. When using the "wet-set" method of installation test the adhesive to see if it has "strings" and is moist to the touch before installing the floor covering. Check periodically to make sure there is full transfer of adhesive to the back of the flooring covering.
- 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 100-pound roller, to properly



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- 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 soapy 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.
- Floor surface should not be cleaned until 72 hours after installation is completed when using the TAJ5adhesive – or 24 hours if using Eco Bond LVT adhesive system.

Protection:

- 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. 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.