

Train Industries, LLC (“Train Industries”) warrants their vinyl flooring to be free of manufacturing defects, and under normal use and maintenance, will not wear for the length of time from the date of purchase as set forth below. The manufacturer’s and wear Limited warranties apply only to the original purchaser and is not transferable. For more information on the most current warranty details, please visit www.train-industries.com.

Read entire installation instructions prior to the start of installation. Improper installation of the flooring or deficiencies related to site conditions may result in failure of the installation and will nullify warranty. Owner / installer assumes all responsibility for final inspection and acceptance of product prior to installation. Refer to manufacturer’s current installation instructions.

1. Pre-Installation

Acclimation: Flooring should be removed from packaging at least 48 hours prior to installation and allowed to acclimate in the room where it is to be installed. Room temperature should be maintained between 65 to 85 degrees F (18 – 29 degrees C) with relative humidity range between 35% -65% prior to, during and after installation of flooring.

Tools Required: Utility Knife; Tape measure; Chalk line; Trowel; 100lb roller; Underlayment (if required); Adhesive (TI 11 High Performance Pressure Sensitive Adhesive recommended); Straight edge; Level.

Floor Preparation: Calculate the room size prior to installation. Add 5-10% to total flooring quantity needed to cover floor surface for cutting waste.

The subfloor must be clean, smooth, flat, dry, and structurally sound. Any irregularities in the subfloor must be removed otherwise they will show through the finished installed floor. Subfloors must be dry prior to onset of installation and a moisture barrier is installed between the ground and subfloor. Concrete should be cured and tested for moisture. The substrate must be clean and free of dirt, debris, or any contaminants; structurally sound; and level to within 3/16” over a 10-foot radius (4 mm over a 300 cm radius).

Each piece of flooring should be examined for visible defects prior to installation. There should be sufficient natural or artificial lighting to allow for thorough inspection of the finish, color, texture and sheen of the flooring. Do not install any piece of flooring that may be considered questionable in appearance or quality. Installer assumes all responsibility for acceptance of flooring installed with visible or manufacturing defects.

Always check the flooring material to verify that it is the correct product, color and from the same LOT.

Acceptable Subfloors

Concrete subfloor – Must be free of moisture or high alkalinity. Moisture levels should be tested by performing either the In-Situ Relative Humidity (RH) test (ASTM 2170) or Moisture Vapor Emission Rate (MVER) test (ASTM F1869).

New Concrete must be cured for at least 90 days prior to conducting moisture testing. Remove existing floor covering from old or existing concrete along with all traces of old adhesives, paint, or other contaminants. **The use of adhesive or solvents in the removal of**

existing adhesives is not allowed and may void the Train Industries Limited Warranty.

WARNING: ASBESTOS & SILICA – Refer to the current Resilient Floor Covering Institute (RFCI) document “Recommended Work Practices for Removal of Existing Resilient Floor Coverings” for proper guidance.

Wood subfloor – Should have double layer construction with a minimum thickness of 1”. Use minimum ¼” (6mm) thick APA rated “underlayment grade” plywood with a fully sanded face. Particle board, OSB or construction grade plywood are not suitable subfloors and must be overlaid with a layer of APA underlayment grade plywood or coated with a quality embossing leveler to smooth any irregularities in the subfloor that may telegraph through the surface of the LVF.

Luxury Vinyl Flooring may be installed over some existing resilient floor covering materials when properly prepared. The existing resilient floor covering must be smooth and consist of a single layer of non-cushioned flooring which is well bonded to the subfloor. Use embossing leveler to smooth the surface and prevent telegraphing on to your new LVF. Do not install over carpet, perimeter glued resilient flooring, ceramic tile, hardwood flooring or laminate flooring.

Prior to installation the subfloor should be swept or vacuumed to remove any loose dust or dirt particles.

2. Installation

Luxury Vinyl Flooring may be installed with wet-set or pressure sensitive adhesive, or equivalent. Train Industries recommends the use of TI 11 High Performance Pressure Sensitive Adhesive for most applications. Use of

high temperature (HT) adhesive may be necessary for extreme climate conditions (sunrooms, basements underfloor heating systems). It is the installers responsibility to ensure that the proper adhesive is used for each application and specific site conditions. Follow adhesive manufacturer’s recommendations for use, with manufacturer recommended trowel. Spread only the amount of adhesive that can be covered within the working time specific to the adhesive being used. Contact supplier for a listing of acceptable adhesives. When installing flooring with attached pad, no additional underlayment should be used. Underlayment for use with LVT/LVP products without pad attached must be specifically designated for use with LVT/LVP. Follow manufacturer’s instructions for installation.

For optimal results LVF should be installed starting from the center of the room. Measure and mark the center of each end wall. Connect center points with a chalk line. Locate the center and establish a second chalk line at a right angle to the existing line.

When installing LVF, position the first plank at the junction of the chalk lines. Continue laying the planks, making sure each one is flush against the chalk line and tight against the adjoining plank. Be sure the planks are well seated into the adhesive and continue laying in either pyramid fashion or row by row. Planks should be staggered, with minimum of 8” (200 mm) or 25% of the length of the plank between end joint of adjacent planks. Planks measuring less than 6” (150 mm) should not be installed.

Once the installation is complete, roll flooring in both directions using a 100 pound (45-50 kg) sectional floor roller. Install trim to cover any exposed space or uneven cuts at walls or

vertical obstructions. Do not affix trim to the floor.

3. Preventive Care

The best way to maintain the optimal look and performance of your floor is to reduce the amount of dirt, grit and moisture with an effective barrier mat. This should be cleaned regularly. Do not use rubber-backed or coco-fiber mats as they are known to stain resilient floors.

Severe scratching or damage may occur as a result of sliding heavy furniture or fitting over an unprotected floor. The floor should be protected from wheels, casters or feet of fittings and furniture, avoiding rubber products, which may stain the floor. Use hard plastic or felt pads under heavy furniture to prevent point loads. Non-staining felt pads can also be used, so long as they are changed on a regular basis to prevent dirt, debris and grit build-up. Wide, non-staining type W casters at least 2" (50 mm) in diameter, or floor protectors should be used on rolling furniture, such as office chairs.

Furniture polish and window cleaning agents should be applied directly to a cloth to avoid overspray or spillage onto the floor. Contact with some agents, such as silicone, will make the floor surface extremely slippery, which may result in accidents.

4. Maintenance

Sweep or vacuum regularly to remove dirt and loose debris. Clean with PH neutral cleaner specifically formulated for use on resilient floor covering, in accordance with the manufacturer's instructions and allow to dry. Immediately remove excess moisture to prevent slip and fall hazards. Do not use soap-based detergents, caustic, or abrasive cleaners.

Most cleaning agents will not cause damage to the floor; however, all residue of cleaning agents should be removed immediately to avoid discoloration. The following substances may stain or discolor resilient flooring: tar, nail-polish, varnish, some spices, shoe polish, lipstick, solvent-based paints, rubber mats, coco-fiber mats, asphalt, permanent markers, crayons, hair dye.

Additional considerations for floor care:

- Newly installed flooring should be protected while the adhesive sets. Restrict foot traffic for 24 hours and the movement of heavy rolling loads and heavy objects for 48 hours.
- Do not use a steam mop on the flooring as this may cause damage to your floor.
- Always use clean floor care applicators.
- Do not mix cleaning products from different manufacturers – they may not be compatible.
- Take precautions to prevent dark rubber from coming in contact with the floor.
- Protective mats are recommended under castor chairs or wheeled furniture.
- Do not deviate from the manufacturer's recommended instructions for use of maintenance products.
- Damp floors are slippery and may present a slip/fall hazard.
- Protect flooring from direct sunlight exposure by using curtains, blinds or solar film. This will help protect against thermal dimensional changes and discoloration of the flooring.