



Endurance Product Guide

Materials Required for Installation:

- Tape Measure
- Square Ruler
- Utility Knife
- Chalk line
- 100 lb. Roller

Acceptable Subfloors:

• Wood Subfloor

Wood subfloor must be American Plywood Association (APA) rated subfloor grade as specified and warranted by the manufacturer. All wood subfloors require a double layer construction.

Porous wood subfloors must be primed.

Any failure of the subfloor or flooring due to the subfloor is not the responsibility of The Manufacturer. The Manufacturer does not recommend installing resilient flooring over wood flooring or subfloors applied directly over concrete or sleeper-construction floors.

- **Concrete** — See Grade Levels below. All concrete subfloors require moisture testing.

Grade Levels:

Suspended: An acceptable suspended floor is a concrete or wood substrate with a minimum of 18" (460mm) of well-ventilated air space beneath it. The Manufacturer recommends that a moisture vapor barrier be placed on the ground below the air space.

On-Grade: An acceptable on-grade floor is a concrete substrate in direct surface contact with the ground at the surrounding ground level. The concrete slab should be protected from moisture penetration and incorporate a permanent, effective moisture vapor retarder with a minimum thickness of 0.010 and a permeance of 0.1 per ASTM F710.

Below-Grade: An acceptable below-grade floor is a concrete substrate partially or completely in contact with the ground below the average surrounding ground level. The concrete slab should be protected from moisture penetration and incorporate a proven moisture vapor barrier. The concrete slab should be protected from moisture penetration and incorporate a permanent, effective moisture vapor retarder with a minimum thickness of 0.010 and a permeance of 0.1 per ASTM F710.





Approved Substrates:

- Concrete
- Portland Based Underlayments
- Terrazzo
- APA Approved Plywood
- Fiber Cement Underlayment
- Radiant Heated Subfloors (not exceeding 85°F (29°C))
- Properly Prepared VCT
- Properly Prepared Sheet Vinyl (single layer, fully adhered)

Unacceptable Surfaces:

- Cushion-back vinyl
- Laminate
- Any floating floor system
- Carpet
- Cork

The Manufacturer will not warrant or accept responsibility of any kind for flooring failures related to the use of unacceptable substrates and surfaces.

Floor Preparation:

The smoothness and cleanliness of concrete subfloors must meet or exceed the requirements of ASTM F710. Fill all holes and cracks with a latex fortified Portland cement based patching compound. The Manufacturer only recommends the use of latex fortified Portland cement based products as a satisfactory patching or leveling compound.

The Manufacturer recommends priming extremely porous floors with a Premium Acrylic Latex Primer to prevent over absorption of adhesives, dust containment, and to insure a better bond of the adhesive to the subfloor/underlayment.

Moisture Testing:

All concrete slabs, both old and new, must be tested for moisture transmission using the Calcium Chloride Moisture Test according to ASTM F1869. Moisture vapor transmission should not exceed the recommended levels of 5 lbs. per 1,000 sq. ft. in 24 hours. This test should be performed and documented prior to installation. Also test for relative humidity in concrete floor slabs using in-situ probes, which should be no more than 80% RH per ASTM F2170 before, during and after installation. These acceptable moisture readings are only applicable when using approved LVT adhesive.



Storage and Handling:

Acclimate the flooring a minimum of 48 hours before installation in the area it is to be installed. Conditions between 65°F and 85°F (18°C and 29°C) are required before, during and after installation. Cartons should be evenly stacked no more than two high on a flat surface and away from any heating/cooling ducts or direct sunlight.

Floor must be clean, smooth, flat and dry. Remove all foreign substances such as wax, grease, dirt, construction marks and contaminants, and any substance or chemical that would interfere with a good bond. Avoid using sweeping compounds. Do not install over substrates that have been chemically cleaned. The flatness of wood subfloors or underlayments must not exceed on variation of 1/4" in 10 feet (1/2cm in 3 meters).

PH Levels:

pH on concrete substrates must be between 7 and 9.

Inspection of flooring material prior to installation is required. Any defects should be immediately reported to the retail store from which the flooring was purchased before installation. The Manufacturer will not be responsible for labor costs to repair or replace material with defects that were apparent before or noticed at the end of an installation. The job site and all flooring material and adhesive must be kept for 48 hours before, during and after installation between 65° F and 85° F (18°and 29°C).

Please Note:

If removal of existing resilient floor covering is required, follow all recommended Resilient Floor Covering Institute (RFCI) work practices at www.rfci.com. The Manufacturer only recommends the use of Portland cement based products as a satisfactory patching or leveling compound for the installation of all flooring products.

Common Uses:

- Leveling Substrates
- Filling holes
- Filling cracks
- Embossing existing resilient floor, ceramic tile or VCT
- Leveling non water-soluble adhesives
- Filling saw cuts and/or construction joints

Do not fill actual expansion joints or other moving joints with elastomeric fillers that are designed to absorb movement in concrete slabs. Cementitious underlayment, patches and resilient flooring installed across true expansion joints will often buckle or crack when the slabs move. Usually architects will specify expansion joint covers for the use with various floor coverings.





WARNING:

For installation over old resilient floor coverings or when considering removing existing resilient floors, please be advised that these products may possibly contain asbestos fibers or crystalline silica. Please follow all recommended Resilient Floor Covering Institute (RFCI) work practices at www.rfci.com.

Cutting:

Tiles and planks may be cut with a small tile cutter or scored and snapped.

Precautions:

Planks/tiles may be walked on immediately; however, the floor should be protected with plywood when moving heavy furniture and appliances back into the room.

DO NOT use a damp cloth or damp mop on the new flooring for at least 14 days after the installation. This will allow planks/tiles to become “seated” in the adhesive and prevent excess moisture from interfering with the adhesive bond.



Endurance Care & Maintenance

Your LVP flooring will provide years of carefree use. You will find that it is not only beautiful, but durable. It is also much easier to maintain than most other flooring products, thanks to its tough protective finish and moisture resistance. It only takes a few simple care and maintenance steps to keep your floor looking beautiful for years to come.

Residential Care & Maintenance Guidelines

To help protect and keep your floor clean, following these proper care and maintenance guidelines:

Preventative Measures:

- Prevent indentations and scratches by the use of non-staining floor protectors on the legs of chairs, appliances and all heavy furniture. Floor protectors should be at least one inch in diameter.
- Do not flood floor or subject to standing water.
- Protect your floor from tracked-in dirt by using mats at all outside entrances. Mats should have a non-rubberized backing and be marked as non-staining.
- Avoid tracking-in tar or asphalt from driveways.
- Avoid high heel shoes on your floor as they can cause permanent indentations.
- Protect your floors against burns. Burns from cigarettes, matches or other extremely hot items can cause permanent damage.
- Avoid exposure to direct sunlight for prolonged periods, as this can cause discoloration.

Cleaning and Maintenance:

- Sweep the floor regularly with a soft bristle broom to remove loose dirt.
- For every day maintenance, a mop moistened/damp with warm water will suffice.
- For a heavier cleaning you can use a low ph (neutral) cleaner. Example is "Zep" cleaner.
- Spills should be cleaned up immediately.

DO NOT use the following on your LVP floor:

- Soap based detergents
- Wet Swiffer's
- Abrasive or mop and shine products
- Floor wax
- Ammonia or bleaches
- Vacuum cleaner with a rotating beater bar
- Steam mop

Always read the cautionary information on all cleaners prior to use.

IMPORTANT: Never push, pull or drag furniture, appliances or other items across the floor. When moving furniture or heavy items, always lift and carry the items. Place hardboards between the flooring and object to move.





Endurance Warranty

**The Lifetime Residential Warranty For Endurance Means
That For the Given Time After Purchase Date:**

- Will not wear through.
- Will be free of manufacturing defects.
- Will not rip or tear from normal household use.
- Will not permanently indent from normal household use.
- Will not discolor from the bottom-up from the underlayment panels, as well as mold, mildew or alkali.

Wear through is defined as loss of the floor design due to normal household use. We recommend using floor protectors. As a general rule of thumb, the heavier the item, the wider the floor protectors should be.

The 10 Year Limited Commercial Warranty For Endurance

What is covered and length of coverage?

For light commercial installations (example: common areas in multi-unit dwellings and low traffic retail shops) the product is warranted to be free from manufacturing defects for 10 years from the date of purchase. If a defect covered by this warranty is reported to THE MANUFACTURER in writing within 10 years of purchase, THE MANUFACTURER will supply new material of the same or similar grade sufficient to repair or replace the defective material.

What Will THE MANUFACTURER Do If Any Of The Above Happens?

(For ALL residential vinyl plank product warranties)

If any of the above should occur within the warranty periods specified above for each flooring product, THE MANUFACTURER will furnish comparable luxury vinyl plank flooring of similar color, pattern, and quality, for either the repair of the defective area or the replacement of the floor, at our option. And, if your floor was professionally installed, THE MANUFACTURER will also pay reasonable labor costs for the direct repairs or replacement. THE MANUFACTURER will replace or repair a floor discolored from mold, mildew, or alkali one time. If the replacement or repair fails in the same manner a second time, the flooring conditions may not be acceptable for the installation of vinyl tile or plank.





What Is Not Covered By These Warranties?

- Damage caused by fire, flooding, or intentional abuse.
- Damage caused by vacuum cleaner beater bar, caster wheels, and cutting from sharp objects.
- When vacuuming, we recommend using the wand attachment on your vacuum.
- Because rolling casters can damage the floor, we do not recommend them.
- Loss of gloss/scratching.
- Minor color, shade or texture variations between samples or printed color photography and the actual material.
- Floors that are not graded “regular”.
- Floors that are installed in other than owner-occupied or tenant-occupied residences (Except products that are noted as warranted light commercial).
- Installation-related errors or damage including improper conditioning of job-site and flooring materials.
- Construction damage after installation.
- Floors discolored from moisture or underlayment panels after having been repaired or replaced by THE MANUFACTURER one time.
- Floors damaged by excessive moisture from sources such as flooding and water leakage.
- Installation defects and installations not using the recommended adhesives.
- Damage caused by abuse such as moving appliances across the floor without adequate protection. When moving appliances or heavy furniture, lay a plywood panel on your floor and “walk” the item across it. This protects your floor from scuffing and tears.

What Is Excluded From These Warranties?

- None of our installers, retailers, distributors or employees has authority to alter the obligations, limitations, disclaimers or exclusions under any of our warranties.
- We exclude and will not be liable for or pay incidental, consequential or special damages under our warranties. By this we mean any loss, expense, or damage other than to the flooring itself that may result from a defect in the flooring. Our limited warranties constitute the only express warranties for the product purchased.
- To the extent permitted by law and for all non-consumer product, all warranties other than our limited warranties, express or implied, including any warranty of merchantability or fitness for a particular purpose, are disclaimed. If any implied warranty arises under state law, any and all implied warranties (including any warranty of merchantability and fitness for a particular purpose) are limited in duration to the duration of this written warranty, to the extent allowed by law.
- Some jurisdictions do not allow exclusion or limitations of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you.
- These warranties give you specific legal rights, and you may also have other rights which vary from jurisdiction to jurisdiction.





Installation requirements

Proper installation plays a key role in the performance of the floors. For installation of vinyl plank, these basic guidelines should be followed:

- Store planks, adhesive and primer for 48 hours in room where they will be installed. Keep room at a minimum of 65°F during that time and during installation. After installation, temperature should not fall below 65°F for the first 48 hours, and not below 65°F after that.
- If room is heated by radiant coils in the subfloor, the TEMPERATURE OF THE FLOOR should not exceed 85°F.
- The subfloor must be level, clean, and free of wax, grease, oil or dust.
- If necessary, patch or fill any cracks in the subfloor with patch, or latex underlayment.
- Use embossing leveler to smooth any texture or embossing on the old floor.
- Install over smooth, well-bonded resilient floors or over dry concrete and wood floors with a plywood overlay.

- This limited product warranty does not cover the installation of the product, even though THE MANUFACTURER will pay reasonable labor costs for covered repair or replacement if your floor was professionally installed and the floor product fails for reasons other than installation error. Installation errors are the responsibility of the installer. While installations not performed according to our requirements do not void the product warranty, damage or problems with the flooring related to improper installation are not covered.

Warranty Owner

This warranty applies only to Professionally Installed or Do-It-Yourself (DIY) installations by a homeowner for his or her own residential end use. This warranty extends only to the original end user and is not transferable. PLEASE KEEP YOUR RECEIPT OR OBTAIN IT FROM THE ORIGINAL PURCHASER. The Manufacturer needs the flooring receipt in order to verify date and proof of purchase to resolve any problems that may occur. For professionally installed floors, the original receipt for installation labor may also be required. In the event that you have a flooring concern THE MANUFACTURER will cover the cost of hiring an independent inspector, but if the inspection report comes back deemed that it is an installation error or onsite issue, the inspection fee will be charged back to the dealer/distributor/homeowner.

