

Materials Required for Installation

- Tape Measure
- Square Ruler
- Utility Knife
- Chalk Line
- 75 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. (ES225 Primer)

Any failure of the subfloor or flooring due to the subfloor is not the responsibility of EverStep. EverStep 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" (460 mm) of well-ventilated air space beneath it. EverStep 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 Underlayment's
- 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

EverStep 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. EverStep only recommends the use of latex fortified Portland cement based products as a satisfactory patching or leveling compound. The floor should be flat 3/16" in a 10 foot span.

EverStep 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 square feet 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 ES800 Luxury Vinyl Tile & Plank 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 underlayment must not exceed on variation of 3/16" in 10 feet.



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 EverStep before installation. EverStep 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).

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

Trowel Specifications

Application Width x Depth x Spacing	Spread Rate	Type of Installation
1/16" x 1/32" x 1/32" Fine Notch Trowel	250-300 sq. ft. per gal.	Porous Substrates
1/16" x 1/32" x 1/32" Fine Notch Trowel	250-300 sq. ft. per gal.	Non-Porous Substrates

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.

Start of Installation:

- Flooring, Adhesive & Primer must be acclimated for at least 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.
- Make sure all the subfloor is clean and free of debris.
- Make sure floor is level (must not exceed on variation of 3/16" in 10 ft.).
- Make sure you have correct trowel size (Refer to diagram listed above).
- Prime subfloor with our ES225 primer on new subfloors and porous substrates like a gypsum base.
- Apply our ES800 pressure sensitive adhesive to subfloor. Make sure you allow the adhesive to flash. (2-24 hrs) If the adhesive sticks to your finger then allow more time. Flash times for the adhesive will vary based on the temperature and humidity in your region.
- Leave a 1/4" expansion around perimeter of the room.
- Lay planks.
- Roll floor with 75 lb. roller.

Note: If our ES225 Primer or ES800 pressure sensitive adhesive is not used, then the warranty is voided. 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.