

**MERIDIAN**  
ELEVATED ESSENTIALS

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## Premium Luxury Vinyl Installation Instructions

### General Information

It is important that flooring products maintain proper temperature before, during, and after installation in order to minimize dimensional changes. The subfloor, all flooring material, and the adhesive must be conditioned at a constant temperature between 65°F (18°C) and 85°F (29°C) for 48 hours prior to, during, and 48 hours after installation. Thereafter, maintain a room temperature between 55°F (13°C) and 100°F (38°C).

When using flooring from two or more cartons, make sure pattern and run numbers found on the carton are the same. This information can be found on the outside of each carton.

### Tools and materials

- Meridian recommended LVT adhesive
- Trowel
- 100 pound, 3 section roller
- Chalk Line
- Carpenter square
- Utility Knife
- Cutting board
- Tape measure
- Moisture Meter or Calcium Chloride Test Kit

### Preparing the Area

- Remove all furniture, appliances, and fixtures from the room
- Remove all binding strips or other restrictive molding from doorways, walls, etc.
- Undercut wood door casings where possible so that flooring can be slid under it

### Subfloor Preparation

#### Asbestos Warning

**WARNING!** DO NOT MECHANICALLY CHIP OR PULVERIZE **EXISTING** RESILIENT FLOORING, BACKING, LINING FELT, ASPHALTIC “CUTBACK” ADHESIVES OR OTHER ADHESIVES. *Previously installed resilient floor covering products and the asphaltic or cutback adhesives used to install them may contain either **asbestos fibers** and/or **crystalline silica**. The products in this carton **DO NOT** contain asbestos or crystalline silica.* Avoid creating dust. Inhalation of asbestos or crystalline dust is a cancer and respiratory tract hazard. Smoking by individuals exposed to asbestos fibers greatly increases the risk of serious bodily harm. Unless positively certain that the previously installed product is a non-asbestos containing material, you must presume it contains asbestos. Regulations may require that the material be tested to determine asbestos content and may govern the removal and disposal of material. See current edition

of the Resilient Floor Covering Institute (RFCI) publication "Recommended Work Practices for Removal of Resilient Floor Coverings" for detailed information and instructions on removing all resilient covering structures.

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## Subfloor Preparation

All subfloor surfaces must be flat, clean, dry, smooth, and free of movement. All surface imperfections should be filled and sanded with a Portland cement-based latex patching compound.

Completely remove all residual adhesives on previously covered concrete floors or cover them with a cementitious underlayment intended for this purpose. Never use solvent-based adhesive removers.

**Flat** – Within 3/16" in 10' radius and or 1/8" in 6' radius. Sand high areas or joints. Fill low areas with a high compressive strength Portland base compound.

**Dry** – Select the appropriate moisture indicator test specifically designed for use with wood or concrete subfloors. Test and record moisture content results. **DO NOT INSTALL FLOORING IF MOISTURE TEST RESULTS EXCEED RECOMMENDED LIMITS.**

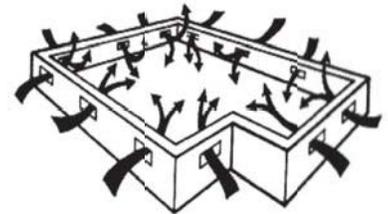
## Concrete Subfloors

1. Concrete subfloors must be dry, smooth, and free from dust, solvent, paint, wax, grease, oil, asphalt sealing compounds or other materials. The surface must be hard and dense, and free from powder or flaking.
2. New concrete slabs must be thoroughly dry (at least six weeks) and completely cured. Curing agents, surface hardeners and other additives may cause adhesive bonding failure. These should be removed by sanding or grinding.
3. All concrete slabs must be checked for moisture before installing material. Moisture emissions from subfloor cannot exceed 3 lbs. per 1,000 sq. ft. per 24 hours as measured with the calcium chloride test or in excess of 75% relative humidity. Responsibility for determining if the concrete is dry enough for installation of the flooring lies with the owner and installer.
4. Surface alkalinity of concrete substrate – Concrete slabs should be tested for the presence of alkali salt build up. Excessive alkali can cause adhesive and vinyl failure. A simple pH paper test using distilled water and pH paper can determine the presence of excessive alkali salt. Pour a small amount of distilled water on to the slab and allow it to stand for a minimum of one minute. Place the pH paper strip into the distilled water. The acceptable range should be from 5-9. Corrective measures must be taken if the pH exceeds these guidelines.

## Wood Subfloors

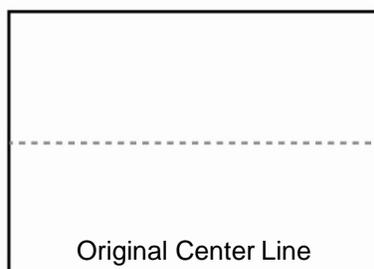
**NOTE: As with many other interior finish products, modification of existing structural components may be required for a successful installation.**

1. Nail or screw any areas that are loose or squeak. Wood panels should exhibit an adequate fastening pattern, glued/screwed or nailed as that system requires, using an acceptable nail pattern. Typical 6" along bearing edges and 12" along intermediate supports. Flatten edge swell as necessary. Replace any water-damaged, swollen or delaminated subflooring or underlayment.
2. Wood subfloor panels should be a minimum of 1" or thicker and free of vertical deflection. All fasteners must be flush with the subfloor panels.
3. Basements and crawl spaces must be dry. Use of a 6 mil black polyethylene membrane is required to cover 100% of the crawl space earth. Crawl space clearance from ground to underside of joist should be no less than 18" and perimeter vent spacing should be equal to 1.5% of the total square footage of the crawl space area to provide cross ventilation.

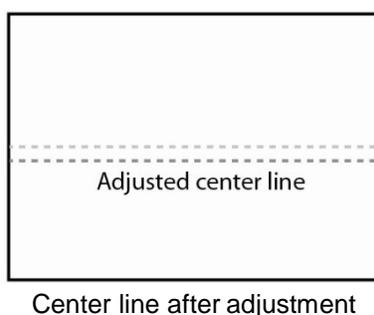


## Floor Layout

First determine the direction to install the planks. As a general rule, planks are normally installed running in the long direction of the main room. Rectangular tiles may be installed in ashlar or herringbone configurations. When directional marks are printed on the back of a tile, that indicates all tiles should run in the same direction. Place a mark in the center of the floor at each end of the room. Snap a chalk line between the marks.



To avoid small narrow planks along the walls, divide the distance from the center line to the wall by the plank or tile width. If the remainder is less than 3 inches, adjust the center line one half width of a plank in either direction. This will provide a balanced layout with larger cut pieces at the wall.



## Finished Flooring Installation

Using the recommended notched trowel spread the adhesive over one half of the floor up to the center line. Do not apply excessive adhesive. Allow the adhesive to dry to tack, which is normally 30 to 60 minutes, before installing the plank or tile. Allow the adhesive to dry completely to tack prior to flooring installation.

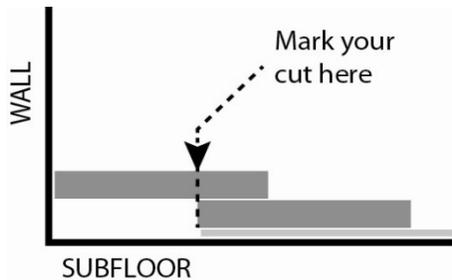
Start installing the plank along the center line. Complete each row, including cut pieces at the wall, before proceeding to the next row. Offset end joints by at least 6 inches and position planks in a random fashion for the best appearance. Position each plank or tile, lightly against the previous one, by pressing it firmly into place without sliding it. Remember to avoid small cuts of less than 6 inches at the ends of each row and place cut ends towards the wall.

If it is necessary to adjust or remove a plank, use a heat gun to warm the plank first. Complete the opposite side of the room in the same fashion as the previous side.

## Cutting a plank or tile to fit

The last row of product will need to be cut to fit to walls and other vertical surfaces.

**Straight Cuts:** place a loose plank or tile directly over the top of the last full installed plank or tile, making sure to line up all edges. Using a plank to measure the distance from the wall to the last installed plank or tile, position the edge against the wall and mark the loose piece with a pencil where it meets the installed piece at the opposite edge from the wall.



Next, place the marked plank on a cutting board. Using a carpenter square as a guide, score the pencil line carefully with a sharp knife, then break/snap (or cut) the plank or tile along the score mark.

**CAUTION:** Keep fingers away from the knife blade to avoid injury. Install plank with the cut edge toward the wall.

**Irregular cuts:** Scribe plank to fit irregular shapes such as door trims, pipes, etc, and cut with a utility knife.

### Immediately after Installation

Roll the entire floor with a 100 pound 3 section roller. Restrict to light traffic for the first 24 hours.

Replace the base moldings and return appliances and furniture to the room by rolling or sliding them over strips of hardboard. Seal all areas that may be exposed to surface spills (i.e. tubs, toilets, and showers) with silicone caulking.

### Plank repairs

- Warm the plank with a heat gun
- Using a sharp utility knife, cut through a corner of the damaged plank taking care not to cut into the subfloor below
- Lift the end of the plank and continue heating
- As sufficient heat is provided the plank will release from the adhesive
- Lift out the entire plank and warm the exposed adhesive
- Install the new plank
- Set the new plank firmly into place with a hand roller
- The repair is complete

