



NATIONAL PARKS COLLECTION

Glue-down LVP (Luxury Vinyl Plank)

Installation Guide

GENERAL INFORMATION

These instructions and recommendations must be followed for a satisfactory installation.

National Parks Collection is recommended for a variety of light commercial applications. It is not suitable for external installation or unheated locations.

It is important to store material and adhesive in a dry, temperature-controlled interior area. The temperature range should be between 65°-85°F, and the relative humidity should be controlled and maintained between 30-55%. Material must be acclimated for at least 48 hours before beginning the installation. Immediately remove all shrink wrapping before acclimation and verify materials are correct style, color and quantity. Once the floor is installed, it is deemed to have been inspected, approved and accepted.

Moisture testing must be carried out on all concrete subfloors. Tests can include the Calcium Chloride test ASTM F1869 with an old slab not to exceed 5 pounds per 24 hours per 1000 square feet and a green slab not to exceed 8 pounds. Alternatively, an In-Situ Relative Humidity test ASTM F2170 can be carried out with an old slab not to exceed 80% and a green slab not to exceed 90%.

*****DO NOT INSTALL FLOORING IF MOISTURE TEST RESULTS EXCEED RECOMMENDED LIMITS*****

TOOLS

LAWSON recommended LVT Adhesive
LAWSON recommended trowel
Chalk Line
Cutting board
Utility Knife
Tape measure
Carpenter Square
Pry bar
100 lbs. 3 section roller
Moisture Meter or Calcium Chloride Test Kit
PH test strips Distilled Water

SUBFLOOR PREPARATION

Record and file site conditions, test results and any corrective action(s) taken. It is important to maintain this documentation throughout the warranty period.

Concrete:

The subfloor must be clean (free of dirt, sealers, curing, hardening or parting compounds or any substance that may stain or prevent adhesion), flat, firm, dry, smooth and free of deflection movement, excessive moisture and high alkalinity. Perform corrective actions necessary for elevated moisture or high alkalinity conditions.

Slick surfaces such as power-troweled concrete shall be abraded or profiled to allow for a mechanical bond between the adhesive and subfloor.

Remove existing resilient floor covering; remove all residual adhesive, paint or other contaminants following RFCI recommended work practice. The use of adhesive removers or solvents in the abatement or removal of existing or old adhesives is prohibited and may void any warranty.

The surface shall be flat to 3/16" in 10' radius and/or 1/8" in 6' radius. All surface imperfections must be filled and sanded with a Portland cement-based patching compound.

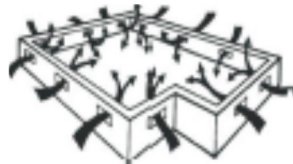
Wood:

All wood subfloor must be underlayment grade and warranted by the manufacturer for installation of resilient glue down flooring. Single layer subfloors are not underlayment grade and are not suitable for glue down flooring installations.

Nail or screw any areas that are loose or squeak. Wood subfloor 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. Replace any water-damaged, swollen, or delaminated subflooring or underlayment.

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.

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.



Over Ceramic:

Remove any loose tiles and fill with appropriate Portland-cement floor fill. Roughen surface of tile. Fill grout joints to the level of the surface of the ceramic tile with appropriate Portland-cement floor patch, carefully following the floor fill manufacturer's instructions for mixing, priming, and spreading material over ceramic tile.

INSTALLATIONS

Follow the installation instructions and guidelines regarding adhesive application rate and method.

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. 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 width. If the remainder is less than 3", 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 up to your use line. Do not apply more adhesive than can be covered within adhesive manufacturer's open time. Follow instructions above regarding dry time for porous or non-porous substrates before installing the plank.

Start installing the plank along the center line. Complete each row, including cut pieces at the wall, before proceeding to the next rows. Offset end joints by at least 6" and position planks in a random fashion for the best appearance.

Position each plank lightly against the previous one, by pressing it firmly into place without sliding it. Avoid small cuts of less than 6" 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 to fit: The last row of product will need to be cut to fit to walls and other vertical surfaces.

CAUTION: Keep fingers away from the knife blade to avoid injury.

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

Clean any adhesive smears on the face of the flooring immediately while wet with a clean cloth and dilute solution of neutral cleaner and water. Denatured Alcohol can be used to remove dried adhesive.

Always use strips of hardwood or plywood when moving heavy objects such as furniture or equipment over the floor even when using carts or dollies with wheels.