



**ESSENTIAL
FLOOR
PRODUCTS**

INSTALLATION GUIDELINES-DRYBACK LV

General Information

It is important that flooring products maintain proper temperature before, during, and after installation in order to minimize dimensional changes.

The subfloor, (acclimation)

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 65°F (18°C) and 85°F (29°C). During installation, blend the planks by working out of multiple cartons to avoid laying too many identical lighter or darker panels adjacent to one another. For optimal results, it is best to fit the panels in the direction of the longest wall and parallel to the light source in the room. Avoid installing plank flooring using the “brick” method of staggering. It is best to use a random stagger of at least 8 inches (20 cm).

Installation tools

• 100 pound, 3 section roller • Chalk line • Carpenter square • Utility knife • Cutting board • Tape measure • Moisture meter or Calcium Chloride Test Kit Area Preparation • 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 slide underneath.

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. Substrate must be 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-based compound. Substrate must be 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

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, 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

 +1 608 316 1569

 info@essflooring.com

 www.essflooring.com

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 should be tested for the presence of alkali salt build up. Excessive alkali can cause adhesive and vinyl failure. A simple pH paper can determine the presence of excessive alkali salt. Pour a small amount of distilled water on the slab and allow it to stand for a minimum of one minute. Place the pH paper strip

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 the system requires, typically 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" total combined thickness 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.

Finished Flooring Installation

Apply the adhesive using the recommended notched trowel, spread the adhesive over half of the floor up to the center line. For porous surfaces, install the planks into adhesive with the semi-wet method, where the adhesive is tacky to the touch. In normal situations, this will require 15-20 minutes. For non-porous surfaces, install the planks as it becomes dry to the touch with little or no transfer to finger when touched. In normal situations, this will require 30-60 minutes. **Refer to the Installation Instructions provided with the adhesive for more detailed instructions.** Start installing the planks 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" 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. Remember to avoid small cuts of less than 6" at the ends of each row and place cut ends toward 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.

Immediately After Installation

Roll the entire floor with a 100 lb 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.

Tips and Warnings

1. Sweep regularly with a soft bristle broom.
2. Use felt protectors under heavy pieces of furniture and chairs.
3. Use protective mats at all exterior entrances. Do not use mats or area rug cushions constructed of rubber or PVC. Instead use urethane backed products.
4. Shoes in need of repair or spiked heels can severely damage floor.
5. Replace hard plastic or metal casters or wheels on furniture with soft rubber casters or use a protective mat under the casters.
6. UV rays from the sun can alter flooring color.
7. Keep animal nails trimmed.
8. Protect flooring by using a dolly for moving furniture or appliances. Never slide or roll heavy furniture or appliances across the floor. Exterior walk-off mats should be routinely maintained to avoid becoming a soil source.
9. **DO NOT SLING LV MATERIAL OVER YOUR SHOULDER, THIS WILL STRETCH THE MATERIAL AND WILL RESULT IN GAPS WHEN MATERIALS GO BACK TO THEIR NATURAL LENGTH.**