

LVP & LVT Glue down Installation 12/15/20

INSTALLATION GUIDE :

Tools needed

Measuring tape, Utility Knife, Straight edge, **100 lb. Roller**
- Shears for cutting around irregular shaped objects

Planks needed to complete your project

Measure the length and width of your room. If the room has alcoves or offsets, measure these separately. This will give you the square footage of the room. Purchase a minimum of 10% extra to cover mistakes, trimming and for future needs or replacement. Most installations require about 10% overage. However, this can vary depending upon the room size and layout.

Prior to Installation

Carefully examine the flooring prior to installation for color, finish, and quality. Ensure adequate lighting for proper inspection. Check cartons to ensure that the color name, item#, and lot number are for the same material to be installed. Color, shade or texture variations between samples, print color photography & the actual material are not warranted. Mix & install planks from several different cartons to minimize shade variations.

The Manufacturer will not warrant that different dye lots will match each other. We maintain strict quality control at the factory, but it is a good idea to check each plank for blemishes or flaws. **Planks installed with a defect will not be warranted.**

Acclimate flooring (in carton) for minimum of 24 - 48 hours prior to installation in area where it is to be installed. Floorcovering should be installed in a **climate-controlled environment** with an ambient temperature range **between 55F – 85°F or average temperature of 70°F and a humidity range of 35%-55% during installation and life of floor.** It is necessary to maintain a constant temperature before, during, and after the installation.

Avoid exposure to direct sunlight for prolong periods. During peak sunlight hours, the use of curtains, drapes, blinds or solar film is required. Excessive temperatures due to sun light through windows can reach over 140°F and result in thermal dimensional changes, UV fading, and damage your floor. Do not install in sunrooms, solariums or saunas.

Subfloor preparation

The subfloor surface must be smooth, flat, dry, clean and solid. Carpet staples or adhesive residue must be removed to ensure proper installation. Subfloors should be flat within a **tolerance of 3/16" per 10' or 1/8" in 6'.** **Any unevenness over 3/16"** must be sanded down or filled with a floor leveler. Voids or humps in the subfloor will prevent vinyl from locking properly. Crawl spaces must be a minimum of 18" from the ground to the underside of the joists. A 6-mil black polyurethane is required to cover 100% of the crawl space earth with joints lapped 6" and sealed with moisture resistant tape. The crawl space should have perimeter venting equal to a minimum of 1.5% of the crawl space square footage. Wood subfloors nailed or screwed every 6" along joists to avoid squeaking. Subfloors must be carefully checked for moisture problems. Any moisture problems need to be addressed prior to installation. New concrete floors need to cure for a minimum of 60 days.

HELPFUL NOTICE: If laying the flooring over existing ceramic tile or existing embossed sheet vinyl with grout line greater than 1/16"/1.5mm, it will be necessary to skim coat the grout lines with a floor leveler.

Moisture

*It is the contractor's as well as the installer's responsibility to test all concrete substrates, both new and old, for moisture content to determine if it is sufficiently dry to install flooring. Maximum level per CaC1 test method is 5 lbs. per 1000 in 24 hours. Maximum level for ASTM2170 i-SITU Relative humidity test method is 85%. **Relative humidity levels should never exceed 85%. Moisture and Hydrostatic pressure can create issue with flooring and can get in walls & structure of the home and create an unhealthy environment.***

*NOTE: Glue down Flooring is not warrant or guarantee unsatisfactory installations due to the presence of excessive alkali, moisture, or hydrostatic pressure in subfloors. **Do not install where flooring is exposed to temperatures greater than 140°F. Do not use any additional Underlayment or install over heavily cushioned sheet vinyl. Soft underlayments and soft substrates will diminish the products inherent strength in resisting indentation and joint integrity. Do not install over carpet or carpet pad or existing vinyl floors more than 1 layer.***

Over Hydronic Radiant Heat

Flooring can be installed over Hydronic radiant heat only if the following guidelines are followed. Complete system must be operational for a minimum of one week. System should be turned off 72 hours prior to installation of Aquarius flooring and remain off 72 hours after installation is complete. Turn system back on to its normal room temperature setting. The subfloor surface must never exceed 80F degrees Fahrenheit throughout the life of the floor. Flooring and adhesive should never come in direct contact with heating system. All other standard installation instructions apply.

Installation

When planks are installed over concrete, wood, or pre-existing resilient floors it is recommended to use **Mapei ECO 360 or 373** adhesives following the manufactures recommended Instructions. Spread rate will vary depending on subfloor and trowel size used.

For best results, LVT should be installed starting from the center of the room. Measure and mark the center of each end wall. Connect center points with a chalk line. Locate the center and establish a second chalk line at a right angle to the existing line. (Figure 1) Tile should be installed in a pyramid fashion. Carefully place the first tile at the junction of the chalk lines. Continue laying the tiles, making sure each one is flush against the chalk line and tight against adjoining tile. (Figure 2) (Figure 3).

When installing LVP, position the first plank at the junction of the chalk lines. (Figure 1) Continue laying the planks, making sure each one is flush against the chalk line and tight against the adjoining plank. Be sure the planks are well seated into the adhesive and continue laying in either pyramid fashion or row by row. (Figure 2 & 3).

Planks should be staggered, with minimum of 8" (200 mm) or 25% of the length of the plank between end joint of adjacent planks. No plank less than 6" (150 mm) should be installed.

Be sure to leave a minimum of 1/8"– 1/4" expansion space around all fixed objects, floor vents, door jambs and doorframes.

To fit partial tiles, lay the piece to be cut exactly over the last full piece, place another full piece against the wall and make the cutting line where they overlap (Figure 3) (Adjust cut for expansion). Make sure the cut edge of the flooring is against the wall to ensure the factory-finished edges are next to each other. To fit the floor around the door jambs, pipe or other protrusions, cut a paper pattern to fit, and trace it on the face of a piece. Cut the piece and try fitting it into place before installing.

Figure 1

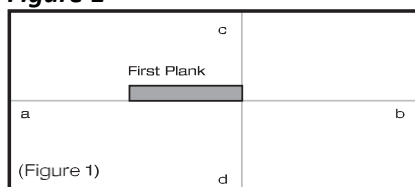


Figure 2

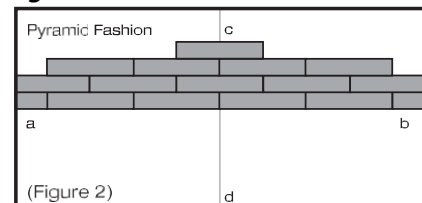
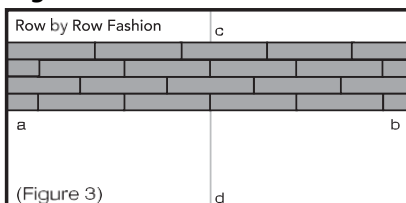


Figure 3



When installation is complete, **roll flooring in both directions using a 100 lb. (45-50 kg) sectional floor roller**. Install trim to cover any exposed space or uneven cuts at walls or vertical obstructions. Do not affix trim to the floor.