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Parterre 5mm Loose Lay Luxury Vinyl Plank is a long lasting, easy-to-install floor with the real look of wood plank in its patterns and texture. The product is ideal for new construction, and renovation.

The purpose of this manual is to provide specific instructions for the installation of Parterre 5mm Loose Lay Luxury Vinyl Plank. You may reference Parterre Luxury Vinyl Tile and Plank Installation Guidelines for instructions pertaining to storage, material handling, subfloor preparation, jobsite conditions and post installation protection at parterreflooring.com. If there are other questions about a specific issue not covered in this manual, please contact Parterre Technical Support by phone 302.221.4132 or email reggie@floorconsult.com.

ADHESIVE

Parterre 5mm Loose Lay Luxury Vinyl Plank requires the installer to use the recommended adhesive only on the perimeters of the installation if the width or length of the installation space is 20 feet or under. If the width or length of the installation space exceeds 20 feet, the use of a grid adhesive application is required. This will allow the installation space to remain stable when installing the planks loosely within each designated area created by the perimeter adhesive and the adhesive used to create the grids.

DETERMINING SLAB POROSITY

The flooring contractor must determine slab porosity to choose the preferred adhesives trowel notch and procedures for proper open time. Ensure surface is dust free prior to performing the following test. Permit surface to dry completely before performing additional activities.

To determine if a subfloor is porous, place two droplets of water in various areas. If the subfloor is porous, the water will be absorbed within 45-60 seconds.

PARTERRE UNIVERSAL ADHESIVE

DESCRIPTION

Versatile for nearly any flooring installation, Parterre Universal is a pressure sensitive adhesive that has a strong resistance to high vapor emissions; guaranteeing up to 95% RH when used in new construction and up to 90% RH for use in pre-existing buildings. Parterre Universal Adhesive is FloorScore® certified and Color Ready™ for an easy installation process.

SUB-FLOOR PREPARATION

Follow all manufacturer's recommendations and industry standards regarding subfloor preparation. Moisture tests are required on all concrete subfloors regardless of grade level and whether the concrete is freshly poured or is classified as an older slab. Substrate must be prepared per ASTM F710-05 standards including, but not limited to the following:

Concrete floors must be dry, clean, smooth, and structurally sound. They shall be free of any foreign materials that might prevent adhesive bond, including dust, dirt, solvent, paint, wax, oil, grease, residual adhesive, adhesive removers, incompatible sealers, fire-retardant chemicals, fungicides, release agents, alkaline salts, excessive carbonation, laitance, mold, mildew, and curing, sealing, hardening, or parting compounds.

CONCRETE UNDER FLOORS MUST BE FLAT

It is imperative that the concrete under floors not **DEVIATE** more 3/16" in 10 lineal feet or must not exceed 1/32" in a span of 12".

Fill all surface cracks, grooves, depressions, control joints and non-moving joints with a moisture-resistant latex/Portland cement patch or leveling compound, allow to fully cure and correct high or low spots before applying adhesive.

The substrate, adhesive and flooring must be acclimated in an enclosed building with the HVAC operational between 65- 80° and between 25-65% relative humidity, for at least 72 hours before, during and after the installation.

When installing over radiant heated subfloors, turn the heat off for 24 hours before, during and after installation. Failure to turn the heat off may result in shortened working time of the adhesive. When turning radiant heat back on, raise it incrementally, not to exceed a change of more than 5 degrees per hour to a maximum of 85°.

Additional information about these tests and results can be obtained through Parterre's Technical Service, reaching the department by phone 302.221.4132 or email reggie@floorconsult.com.

DIRECTIONS

Refer to all manufacturer's recommendations and approvals prior to installation. This adhesive is for indoor use only. Spread adhesive using required tools (see tool chart below). Install flooring per the instructions below.

Semi-wet set (porous substrates only)

- Wait 20-30 minutes after adhesive is spread to allow it to skin over. You may check by placing your forefinger onto the adhesive and applying minimum pressure. When you remove your finger, you should see a mirror image of the ridges on your finger, indicating that you will get transfer to the back of the flooring for a tenacious bond. If you see a smudge on your finger (no trowel ridges), wait a few more minutes.
- Working time is approximately 20-30 minutes under acceptable temperature and humidity conditions.

Roll and cross roll floor with a three section 100 lbs. roller after positioning flooring into the adhesive to ensure proper transfer of adhesive. You may also use a steel hand seam-roller under cabinet toe kicks and around door casing & jambs or locations that cannot be rolled with the three section 100 lb. roller. Always roll in both directions to ensure intimate contact of the flooring with the adhesive.

RECOMMENDED SUBSTRATES

- APA underlayment grade plywood
- Concrete and radiant heated subfloors that do not exceed 85°F (30°C)
- Existing well-bonded non-cushion-backed vinyl tile, plank, and sheet flooring
- Gypsum and lightweight concrete (*You may reference Parterre Luxury Vinyl Tile-and Plank Installation Guidelines for Details to Prepare Gypsum and Lightweight Concrete for Flooring Installation*)
- Terrazzo (properly prepared with all waxes and surface finishes removed)

PRECAUTIONARY NOTES:

1. For interior installations only.
2. Concrete must be placed in strict accordance with applicable standards and specifications. An intact moisture vapor retarder must be present below the concrete (see ASTM E1745), must be fully cured (at least 45 days) and without hydrostatic pressure.
3. Although Universal is a high-moisture tolerant adhesive, it does not form a moisture vapor barrier and will not protect flooring from moisture damage.

4. Do not install when relative humidity is over 90% for pre-existing buildings or 95% for new construction per ASTM F2170.
5. Do not install when ambient temperature is not between 65°F and 80°F for at least 72 hours before, during and after the installation.
6. Do not install when ambient relative humidity is not between 25% and 65% for at least 72 hours before, during and after the installation.
7. The dimensional stability of some vinyl flooring products is very sensitive to fluctuations in ambient environment conditions. Parterre is not responsible for installation issues caused by dimensional changes in flooring.
8. It is the sole responsibility of the installer to determine the suitability and compatibility of the adhesive for the user's intended use.

CLEAN-UP

While product is still wet; use a damp cloth and water to remove. Always check compatibility on a piece of scrap flooring.

TROWEL RECOMMENDATIONS:

Porous: Square Notch 1/16" x 1/16" x 1/16" (1.6mm x 1.6mm x 1.6mm) Estimated Coverage: 150-180 sf./gal.



Non-porous: U Notch 1/16" x 1/32" x 1/32" (1.6mm x .8mm x .8mm) Estimated Coverage: 220-260 sf./gal.



**TECHNICAL
DATA**

Product Classification	Transitional Pressure Sensitive Adhesive, or semi-wet
Base Chemistry	Hybrid acrylic
Curing Method	Proprietary modified cross-linking
Appearance	Mint green (wet), dark green (dry)
Consistency	Smooth, medium viscosity liquid
Application	Easy troweling
Flammability	Non-flammable
Freeze/Thaw	Stable to 10°F (-12°C)
Shelf Life	2 years
Moisture Control	NA
RH	95% New Construction 950% Pre-Existing Building
pH	7-10
MVER	6 lbs. New Construction, 5 lbs. Pre-Existing Building
Open Time	20-30 min (semi-wet set)
Dry Time	30-60 (PSA)
Working Time	42 hrs. (PSA), 20-30 min. (semi-wet set)
Cure Time	12 hrs.
Pot Life	NA
Light Traffic	0 min. (PSA) 12 hrs. (semi-wet set)
Heavy Traffic	24 hrs.
Heavy Rolling Loads	48 hrs.
Solvents	None
Isocyanates	None
VOC (g/L) Rule #1168 SCAQMD	36
LEED Points	Contributes to low emitting materials
Certifications	FloorScore® certified

WARRANTY

Parterre offers a limited warranty for this product when used in accordance with printed specifications. A copy of the limited warranty can be obtained by calling technical services.

LAYOUT OF PRODUCT

The layout of large commercial installations (large open areas, hallways, etc.) of Parterre 5mm Loose Lay, may require the use of a transit, laser or other tools with minimal deviation when striking accurate guidelines.

Preplanning should enable the layout to be done economically, minimizing waste. When possible, install the length of the plank parallel with the incoming source of light, and/or the longest room dimension.

Installations in long hallways with adjoining rooms should be carefully planned so that at least one half the plank width remains when the cuts are made at the wall, cabinet, or fixed obstacle. Your layout should be positioned so equal cuts are on the opposing walls and in doorways with as wide of a cut as possible, allowing for a balanced installation.

Plank width may have to be altered in the doorways of adjoining rooms to avoid small cuts at the walls of these areas. These decisions should always be approved by the architect, designer, or end user.

Often, in smaller rooms, the perimeter is highly visible. Care should be taken to attempt uniform cuts on opposing walls where the length of the plank is parallel with the wall. Try to make the cuts as large as possible for best results when installing the product. The simplest method to ensure equal cuts on the opposing walls is to measure the distance between those opposing walls and be sure to convert to inches.

See below for a step-by-step example on measuring the distance between the walls prior to installation:

Step 1. If the total width of the room is 148”.

Step 2. Next, divide the total width of the room by the width of the plank (for example: 7.25”). By dividing the total width of the room (148”) by the width of the plank (7.25”), the installer will receive an answer of 20.41”. This number will be the number of planks (in width) required to span the entire width of the installation area.

Step 3: The installer will need to determine how to make equal cuts at least half the width of the plank for best performance. To do so, it is necessary to multiply the partial plank that will be left over (0.41”; this is taken from the total of 20.41” wide planks needed from the calculation above). Then, multiply the partial plank calculation by the width of the plank (7.25”). In this example, the answer is just under 3” (2.97”).

Step 4: Next, add the above calculation of 3” to the width of one plank (7.25”), resulting in an answer of approximately 10.25”.

Step 5: Finally, take the answer of 10.25” and divide by 2, giving the starting cut of approximately 5.125” wide. The final width of the cut on the opposing wall will be approximately 5.125” as well, depending on how straight the walls are.

Layout of planks in length should be installed with a minimum of 6” offset with adjacent rows at the end seams. Do not create a pattern with the offset when working from row to row. Offsets should be random to avoid creating a pattern that not only takes away from the aesthetics but can become an unnecessary burden for the flooring installer, attempting to maintain the integrity of the pattern throughout the installation. Often, the remaining cut from an end cut of a plank may serve as the starting cut in the next row. Make sure your end cuts and starting cuts are no less than 6” in length.

INSTALLATION OF PRODUCT

Before installing the product, verify that all the cartons are clearly marked with the same batch/run numbers to avoid any problems during installation. In addition, always work from at least two cartons at a time blending the planks from those cartons to ensure minimal shade variations creating a consistent, uniform

installation in shade, gloss, and pattern.

The starting point may be accomplished by striking a line on the substrate parallel to the longest, straightest wall. The installer will accomplish this by adding the dimension of the width of the starting plank that must be cut (see information above for determining cut width) to the width of an uncut plank, then add 1/8" to that total.

Measure this distance on opposite ends on the long, starting wall; then use a chalk line and strike a straight line the entire length of the wall. Continue around the perimeter of the room by striking lines 12" from each wall, fixed vertical surface or cabinet until you reach the original starting line again.

If the width or length of the installation space exceeds 20 feet; divide the space by 2 and use the measurement as the centerline for a 12" spread of adhesive creating an additional band of adhesive to minimize excessive expansion or contraction of the installed flooring in the room. For example, if a room measured 37' x 22', use the formula to create the additional bands of adhesive centered 18' 6" in the 37' dimension and centered 11' in the 22' dimension. The purpose for centering bands of adhesive ensures a balance installation between the unbonded areas of flooring (loose lay) so that the subtle changes are balanced.

If a corridor extends from a primary room, spread the adhesive across the opening into the corridor so that it is in line with the larger room's walls at the corridor's entrance. At the opposing end of the corridor, a 12" band of adhesive at that door or wall will exist.

Then, if the length of the corridor exceeds 20 lineal feet, divide by two and use that measurement as the centerline for the added band of adhesive. Each independent room that exceeds 20 lineal feet will be broken into a grid with additional bands of adhesive.

The grid should NEVER be larger than 20 feet. If necessary, larger rooms may have more than one band of adhesive in the body of the space. For example, a room measuring 66' in length would be divided by 4 (keeps the quadrant under 20') providing three bands centered at every 16' 5", leaving four quadrants between opposing walls. Instructions for trowel notch selection by determining porosity, open time and rolling with a three section 100 lb. roller will apply for the added bands of adhesive.

Using the correct trowel notch, spread the recommended adhesive between the line and the wall. This

technique not only simplify placement of starting planks, but will be critical for a tight, precise installation after starting.

Allow the adhesive to dry 30-45 minutes depending on temperature and humidity. Once the adhesive becomes clear, the installer must cover the area with the plank flooring within 2 hours.

Start the installation on the starting wall by positioning a full plank 1/8" from wall at the end of the plank, while positioning the side edge of the plank into the adhesive. Be sure to follow the chalk line precisely the entire length of the plank. Then, roll immediately with a seam-roller.

Continue installing individual planks end to end while keeping each plank's edge on the chalk line. When you must cut the end of the last plank, measure the length required and subtract 1/8" for expansion at the wall, fixed vertical surface, or cabinet. Use a new utility blade in a utility knife to score the plank's surface while following a straightedge or square to ensure a straight score. Fold the balance down, then cut from underneath to complete the cut. Position the last plank or tile.

The fall off from the previous plank will start the final row next to the wall as long as it is at least 6" long. Measure the distance from the first row of plank's edges, and then deduct an 1/8" from those plank's edges to determine the width of plank making the fill. Again, use a straightedge to score the top of the plank, fold and cut from underneath. Position that plank, then continue cutting and placing until the end of the row. Roll installed planks with a three-section minimum 100 lb. roller.

Remember to install the next row, but make sure your starting plank is at least 6" long. Stagger the end seams randomly from the adjacent row by at least 6". Use your hand roller to embed the start of each row and the last plank in each row uniformly into the adhesive. Keep the end and side seams tight and net with pressure by working off the installed flooring. When finishing the installation, use 1/2" Styrofoam in 2' x 8' sheets as walking/kneeling boards to avoid any movement of the installed planks. Finish the room by measuring your cuts and reducing by 1/8" using the same technique for cutting.

Once the entire room has been installed, roll all the perimeter adhesive bands and cross bands of adhesive using your three-section minimum 100 lb. roller and roll in both directions.

Immediately install all reducer/transition strips at unprotected or exposed edges that could be easily damaged where the flooring stops. If for any reason the reducers or transition strips are not available to install, use sacrificial tile remnants or scrapes at the exposed edges by temporarily taping them in position to avoid aggravating damage that may require a tile replacement to finish the job. Then, install shoe molding or quarter round at the perimeter to cover the 1/8" expansion gap. For door casings, jambs and any vertical surface that must appear as a net fit, undercut so the flooring may slide underneath and still allow an 1/8" expansion gap.

POST INSTALLATION PROTECTION

Confirm or equip all furniture, appliances, carts and any other moveable equipment with soft, wide, non-staining casters or floor protectors with a minimum diameter of 1" that is engineered to protect hard surface flooring from indentation from static loads.

Always use runways made from at least 1/4" plywood or 1/4" Masonite™ to protect flooring from damage that may occur when moving heavy objects across the flooring. You may also use furniture moving aids or specialty equipment designed specifically for the use of moving large objects without damage to the floor. AIRSLED® would be an example of this type of equipment.

If the project is still under construction the floor should be protected from other trades during construction. Be cautious with protective coverings over installed floors that might stain, yellow, or stick to the flooring. To avoid large chards, stones, construction debris or heavy soil, tape the paper's edges with a releasable, non-staining, non-yellowing tape. Also, if large plywood formats are to be used on the paper, tape its edges again to the paper to avoid an accumulation of dirt or debris under the plywood's edge. Heavy traffic could embed the debris into the flooring's surface causing permanent damage.

Avoid flooding or washing the newly installed product until the adhesive has fully cured-approximately 5-7 days, or longer depending on room temperature and the temperature of the underfloor. Stripping is not required nor recommended for initial cleaning.

Please note that the initial cleaning of the installed product is essential before occupancy. Failure to clean thoroughly and properly at this time will make routine maintenance more difficult.

Sweep or vacuum thoroughly to remove all dust, dirt, loose grit, soil, and debris. Spots of adhesive can be removed with a clean, white cotton cloth and dampened with paint thinner or mineral spirits. Always use caution when handling flammable solvents.

If the flooring was subjected to excess dirt, soil, and heavy traffic before the initial maintenance, use Hilway Direct Neutral Cleaner mixed according to label instructions with clean potable water. Use any water/cleaning solution conservatively and do not use abrasive cleaners.

Use a standard scrubbing machine or an automatic scrubber equipped with the proper color of pad for the soiling to be cleaned. Be sure to test to make sure the pad selected does not damage the flooring tile's surface.

Rinse using a clean mop and clean water. Change rinse water often to avoid leaving a dirty residue. Wet vacuum, fan dry or simply allow it to dry naturally without any traffic.

PRECAUTIONS AND CONSIDERATIONS

Parterre 5mm Loose Lay Luxury Vinyl Plank should only be installed in environments and spaces that are environmentally always controlled with temperature ranging no more than a low of 65°F and no greater than 80°F. Relative humidity should be no less than 30% RH and no greater than 65% RH. Never install this product at windows with extreme exposure to the sun. Temperature fluctuation at the surface of the floor could cause extreme movement causing unacceptable gapping or expansion resulting in peaking.

also, never install this product in heavy commercial environments exposed to heavy rolling loads, constant movement of furniture or heavy foot traffic. You may reference Parterre Flooring Systems Tile and Plank installation guidelines for instructions pertaining to fully adhered installations for these situations.

If there are other questions about a specific issue not covered in this manual, please contact Parterre Technical Support by phone 302.221.4132 or email: reggie@floorconsult.com