



LUXFlooring.com

## SPC INSTALLATION GUIDE

All Jobsite conditions are the Owner/Installers responsibility to meet the below Conditions and all below information for a successful and proper installation.

### QUALIFIED INSTALLERS REQUIREMENTS:

- Recommended to hire a professional that is certified/licensed in his/her respected installation trades/schools for Resilient Installations per State regulations.
- Recommendations to DIY, Handyman services and or other Licensed or certified installation, or trade related installers are required to abide by All the LUX INSTALLATION, RECOMMENDATIONS, & WARRANTIES TO RETAIN A WARRANTY.

### PREPARATION:

#### Material Handling and Site Conditions:

1. Store cartons of plank and/or tile with cartons stacked no more than 5: Inspect your cartons at the time of pick up or delivery, do not deliver with metal bands strapped to tight or improper methods damaging the boxes during the delivery process, includes over stacking and or placing cartons vertically or on the sides, and or over stacking more than 5 high this may allow cartons to bend improperly during storage or transportation.

2. The materials must be acclimated in climate-controlled locations with constant Ambient Temperatures 65°F (approx. 18°C) for 48 hours before, during and after the start of the installation. Store cartons always lying flat and protect from direct sunlight during acclimation, and installation. Cross Stacking is recommended and mixing from 3 boxes for a uniform installation. For Extreme Heat Use temporary protection prior to full or partial occupancy of the building. Ram Board is recommended floor protection with all above and construction related work, paint, drywall plumbing, etc. to be completed prior to installation.

3. A. The materials must be installed in climate-controlled locations with Ambient Temperature range 65°F -85°F (20°- 29°C) for the life of the installation. Jobsite mimic conditions such as torpedo heaters, fans, etc. do not meet proper requirements. Climate-Controlled Conditioned space is working/living conditions during occupancy. Condition space

3. B. Unconditioned space refers to exterior space, or a space within the shell of a building, that is uncontrolled, and is neither directly nor indirectly heated, cooled, humidified, nor dehumidified. LUX warranty does not include unconditioned spaces.

4. Improper acclimation of floating LUX plank/tile flooring may result in gapping or buckling or joints which are difficult to engage properly. Do not use improper installation techniques at the time of the installation. Improper locking of the locking mechanism may cause one or more of the following conditions in your flooring: end joints may become distressed resulting in a peaked appearance, cracks, delamination due to ledging, separation of end joints from normal environmental temperature changes, cupping and or curling and side joint failures.

5. Three seasons' rooms or bonus rooms, She Sheds, Man Caves and below grade installations are required to meet all above conditions.

is required, definition is an enclosed space within a building where there is intentional control of the space thermal conditions within defined limits using natural, electrical, or mechanical means. Conditioned space is an area or room within the building that is intentionally heated or cooled, and humidified or dehumidified, to be maintained at the same expected conditions as the living/working interior space either for the comfort of occupants, or for preserving temperature and humidity sensitive goods.

#### PRE~INSPECTIONS REQUIREMENTS OWNER/INSTALLER:

1. Should not rely solely on samples as the final color/shade as installed. Inspections and final approval of color, shade, blemishes and or any visible possible defects in the planks will be required at pre installation stage, and must document and state the claim with the run number, box number lot etc. If partial damage of a plank/tile during any portion of the installation should be cut off and not installed.

Contact LUX IN WRITING WITHIN 48 HRS OR AT THE TIME OF THE COMPLAINT IS NOTICED. (SEE WARRANTY FOR DETAILS). INSTALLED MATERIALS WITH ANY OF THE ABOVE RELATED ISSUES IF INSTALLED WILL BE AN ACCEPTANCE OF THE INSTALLED MATERIALS AND THE MANUFACTURER ASSUMES NO RESPONSIBILITY.

2. Proper premeasuring is required for a proper and successful installation square footage measurements, waste factor and include end joint stagger. This will assist you to the proper amount at time the order is placed. LUX cannot guarantee nor takes any responsibility to the improper ordering, changes and or adding to existing order in the event the same run number, lot number to fulfill an order.

3. Improper acclimation of floating LUX plank/tile flooring may result in gapping, buckling or joints which are difficult to engage properly. Improper locking of the mechanism may cause one or more of the following conditions in your flooring: end joints may become distressed resulting in a 'peaked' appearance; delamination due to ledging; separation of joints from normal environmental temperature changes; cupping or side joint failures.

4. IF THE FLOORING AS SUPPLIED WILL NOT SATISFY THE CUSTOMER IN FULL, DO NOT PROCEED TO INSTALL. The decision not to proceed must be made within the first 5% or 100 square feet of flooring boxes opened, whichever is less. Open boxes exceeding this amount will not be eligible for return, and will be subject to the evaluation and warranty guidelines.

#### INSTALLATION CHECKLIST GUIDELINES:

This information provides the guidelines for Lux Floating Installation flooring.

All instructions and recommendations should be followed for a successful installation.

1. Inspect your shipment of Lux Flooring to ensure that all cartons are of the same Lot, and manufacturing run numbers, and inspect each plank prior to installation.
2. Mix from a minimum of 3 boxes to minimize shade variation.
3. Do not use any additional underlayment without written approval from the manufacturer.
4. Do not glue down any floating installed flooring.
5. Structurally sound, dry, smooth, clean, and free of debris, including but not limited to, staples, nails, screws, wax, grease, paint, sealers, curing compounds and old adhesives. (Black Cut back glues may contain Asbestos/Silica dust see details under floor preparation and limitations).
6. All subfloors including concrete substrates must be flat 3/16" in 10' or 1/8" in 6'. Any or all (High Spots) should be mechanically ground down to those requirements. Undulations (Low Spots) should be filled with a system components, gypsum-based patching and/or leveling compounds which contain Portland or high alumina cement MUST meet or exceed a compressive strength Minimum of 3,000 psi are acceptable with cementitious patching and leveling compounds with a overall rating of Minimum 3,500 psi are recommended. Improper subfloor preparation may cause telegraphing through the planks and cause additional visual appearances or possible failure and is not covered in any warranty Claim filed.
7. Plywood acceptable subfloors must be structurally sound, flat, and level and must be installed following their manufacturer's recommendations, with compliance with any/all local building Codes and IBC Guidelines:
  - 3/4" (minimum 23/32" thickness) APA Plywood's smooth and sanded joints are good with no hollow core or defects.
  - 3/4" (minimum 23/32" thickness) Oriented Strand Board (OSB) properly spaced, with no moisture swell in the panel and sanding all high spots
  - Advantech Plywood, Multiply
  - All panels should be stored in a clean, flat area of the ground, if the materials are stored onsite, they must be protected and covered during the construction or remodeling phases, any swell or damage from other trades must be corrected and repaired or replaced prior to Lux Flooring installation.
  - Core gaps, Delamination, Gap Split, Low Core density, Improper Fastener issues and under treatment of adhesives resin, must be corrected prior to installation, spongy subfloor may impact the joints of flooring by adding improper stress and improper loads.
  - All substrates must be structurally sound and free from movement and deflection.

- Inadequate space between the panels, distorted, warping, cupping and or improper nail/staple with proper glue methods not limited to thickness variations will not be acceptable conditions.
- Screws, Nails must be recessed below the top of the subfloor.
- Excess adhesive must be scraped and or sanded flat to the subfloor.
- Before exposing the finished floor, you should always broom away any/all construction related debris, grit that could cause scratches.

8. Non-Acceptable wood Subfloors include: Particle Board, Luan or any unstable subfloor.

• Advantech Flooring may have a resin which repels water during construction process however if water is of a concern please inquire with Lux and Huber To determine if a vapor barrier is recommended or required to not void either warranty In any water prone areas, Kitchens, Bathrooms, Laundry rooms or similar wet areas. Flexible silicone is required around all perimeter areas and frequent water prone areas.

9. Grade Description: Above-grade is defined as any portion of the subfloor where LUX flooring is to be installed, that is above the plane of the surrounding ground.

On-grade is defined as any portion of the subfloor where wood flooring is to be installed, that is at, or above, the same plane as the surrounding ground.

Below-grade is defined as any portion of the subfloor where wood flooring is to be installed, that is 4" or more below ground level. Lux approves all three grades as adequate and proper installation areas.

10. Grade of Exterior: To be sloped at a rate of 6" in 10' or a 2% swell away from house/building. With proper interior drainage systems working completed.

11. Landscape is recommended to be completed with proper drainage such as gutters with proper downspouts, and a solid 4" PVC tube attached to the bottom of the downspouts and installed away from the structure at a rate of 10', away from the structure.

Irrigation systems must be maintained and checked for leaks around the structure.

12. Crawl Spaces: Must meet the concurrent building codes and the IBC guidelines

- Minimum Crawl space to be 18" (457mm) from ground to underside of joist and require a
- 1 square foot per 500 square foot of crawl space with proper side ventilation is required.
- Sump Pits must be maintained and covered within the crawl space.
- Exposed soil and rocks only may increase the humidity levels and effect the subfloor.

#### CONCRETE SUBFLOOR REQUIREMENTS:

Minimum of 6 mil black vapor barrier with overlap minimum of 6". Vapor barrier must be placed underneath the baseboard, up 6" on walls and properly sealed & or taped, with no exposure to the earths/or grade. Vapor barrier is required to be placed in a manner that does not allow moisture to evaporate or contact the floor.

- Concrete to be fully cured for at least 60-90 days prior Lux Flooring installation.

- Concrete slab construction shall be in accordance with industry standards for specification related to concrete mix design per ICRI, and IBC, with local Building Codes and compliance taking precedence.

- On-grade suspended (Pan) and below-grade slabs should be installed with a suitable vapor retarder directly underneath the concrete slab, with proper ventilation activity in place.
- Testing shall be conducted according to the concurrent ASTM documentation and instructions of the manufacturer of the testing equipment.
- Testing Per ASTM F-710, ASTM F-2170, and ASTM F-1869
- Testing for relative humidity, moisture and PH. Relative Humidity Tests should not exceed 85% (RH); Calcium Chloride Test for moisture should be no more than 8lbs per one-thousand square feet in 24 hours MVER (Moisture Vapor Emission

- Rating) and PH tests for alkalinity levels should register between 7 and 9.
- All testing must commence after 60-90 days of any poured concrete.
- Ignoring the above test for existing similar sound flooring does not allow the above requirements to meet the same criteria.

- Unconditioned space refers to exterior space, or a space within the shell of a building, that is uncontrolled, and is neither directly nor indirectly heated, cooled, humidified, nor dehumidified will not be acceptable to any LUX SPC.

- Substrates must be flat 3/16" in 10' or 1/8" in 6'.

Any or all (High Spots) should be mechanically ground down to those requirements.

Undulations (Low Spots) should be filled with system components, gypsum-based patching and/or leveling compounds which contain Portland or high alumina cement MUST meet or exceed a compressive strength Minimum of 3,000 psi are acceptable with cementitious patching and leveling compounds with an overall rating of Minimum 3,500 psi are recommended. Improper subfloor preparation may cause telegraphing through the planks and cause additional visual appearances or possible failure and is not covered in any warranty Claim filed.

- New concrete shall be properly cured and dried prior to the installation of floor covering. Curing agents, surface hardeners and other membranes or compounds shall be mechanically removed immediately after initial cure to allow the slab to properly dry before installation. Approximately 30 days per 1" of slab thickness, with proper ventilation, construction sequencing, weather and site conditions.
- Uneven areas should be mechanically ground to smoothness. Cracks, depressions or other similar irregularities should be leveled using a suitable Portland cement based patching compound.
- Expansion joints, isolation joints, control joints or other moving joints in the concrete slab shall not be filled with patching compound or covered with use of vapor barriers as long as proper ventilating space is allowed around the perimeter of the room for moisture and

vapors to escape the substrate. "Joints" shall be primed and filled with a proper and approved method such as A pure flexible silicone or sealant up to level, to ensure flat and level conditions, all control joints should be completed by a licensed and registered professional in their field.

- Moisture Mitigation systems are not a 100% cure all for MVER always conduct Testing Per concurrent versions of ASTM F-710, ASTM F-2170, & ASTM F-1869. Ground water, Hydrostatic Pressure, Capillary action may occur.
- Dusty, Soft, and Overly porous concrete surfaces are not suitable for resilient floor coverings.
- Make special effort to have your slab marked for the following items that may be within your slab, Post Tension Cables, heated water pipes and any electrical, low voltage etc. must be marked prior to any drilling.

**WARNINGS SUBSTRATES PREPARATIONS:**

DO NOT SAND, DRY SWEEP, BEAD BLAST, SHOTBLAST OR USE ANY OTHER MECHANICAL MEANS TO PULVERIZE EXISTING TILE FLOORING, BACKING, LINING

FELT, ASPHALTIC "CUTBACK" OR ANY OTHER ADHESIVES. THESE PRODUCTS MAY CONTAIN ASBESTOS FIBERS AND/OR CRYSTALLINE SILICA. FRIABLE INHALATION OF SUCH DUST IS A CANCER AND RESPIRATORY HAZARD. PROPER TESTING OF THE VCT FLOORING AND CUTBACK/ADHESIVE IS REQUIRED THAT MAY CONTAINING ASBESTOS MATERIAL

**NON-APPROVED SUBSTRATES:**

- Asphalt Tiles
- Any floating flooring.
- Rubber, Cork
- Resilient flooring with cushion backing.
- Directly on concrete substrate (slab)
- Pine, softwoods, and moisture susceptible woods (Luan, Particle Board)
- Sleeper floor systems
- Masonite, similar hardboard underlayment
- Pressure Treated Lumber (CDX)
- Hardwood flooring including Bamboo
- Paint, wax, oil, grease, residual adhesive, mold, mildew, and other foreign materials that might prevent floating planks and tiles from natural movement
- Uneven, undulated, or unstable substrates with moisture.
- Red sweeping compounds (Only use Green)

**CERAMIC APPROVED SUBSTRATES:**

- Must meet all the above requirements regardless of substrate.

- Grout joints must be prepped and filled with appropriate

Cementitious patching and leveling compounds with an overall rating of Minimum 3,500 psi  
UP TO THE LEVEL/FLATNESS OF THE TILE.

#### INSTALLATION:

- The length room size to 30' linear feet with 5/16" expansion spacing around the perimeter.  
(Exceeds 30' linear feet increase to 3/8" expansion space, and add a transition)
- The width room size is 26' linear feet with 3/8" expansion spacing around the perimeter.  
(Exceed 26' linear feet increase to 5/16" expansion spacing, and add a transition)
- Pipes may be cut large enough to except the angle of the planks in order  
To achieve proper expansion and to be covered with no spaces 5/16"  
diameter may be required than the pipe in order to achieve proper installation
- Water Prone areas should be treated with a PE foam backer rod and a combination  
of a flexible waterproof silicone caulk (Not a Hard Acrylic caulk)
- Transitions should be treated with same PE foam backer rod and flexible  
waterproof flexible caulk (Not a Hard Acrylic caulk) with the transition having free and unencumbered  
movement. Locations recommended Include all wet prone areas.
- Transitions are also required per LUX products Installation area should not be more than 900 square  
feet (83.5 square meters) or have runs longer than 33 feet in length without the use of suitable  
expansion moldings, transitions.
- Door Casing, Cased openings, Door Jams, Base, Shoe Molding, Quarter Round etc.
  1. LUX Floors should always be installed under the above areas.
  2. Use a scrap/cut off piece place a mark/cut line that is 3/8" higher.
  3. Take an undercut saw, or similar tool to make an even cut.
  4. Wall Base, Quarter Round, Shoe molding or any custom base, you must allow 2/64" vertical clearance  
(0.03125) for proper expansion and contractions.
  5. Always install base, shoe molding nailed/glue to the wall at a proper angle and not into or on top of  
the flooring.
  6. Wall irregularities should be scribe to accept the proper expansion space.
- Installation of all cabinets shall be installed prior to installation of LUX flooring.
- Appliances must be moved with extreme caution using proper multiple layers of Ram Board, then a  
minimum of 1/2" plywood, using complete due diligence on scrap pieces to make sure no indentations,  
roller marks transfer through. Do not install appliances with any food in the refrigerator or freezer. This  
includes any third-party servicing, delivery, and installation company responsibility.
- Recommendation for moving unloaded appliances would be Crain Air Lifter system speeds up  
appliance removal and installation, saving time and reducing risks of damaging new floors. RADIANT  
HEATING: Radiant heated subfloors may include concrete, wood, or both.
- The Radiant Heat System must be fully operational 4 weeks prior installation.

- Upon delivery for acclimation, you must turn down the heat system a minimum Of 4 days prior to a consistent temperature of 65 Degrees (18 C)
- Heat system must be placed in the 7/16" (11.3mm) below concrete.
- After 100% completion of the installation the temperatures may increase at a rate of 5 degrees per 2 hours and not exceed a temperature of 80 degrees. (26.6 C)
- In-floor sensors are required with a proper thermostat.
- System Suppliers installation and care installation guidelines will prevail.
- Do Not exceed 85 Degrees (29.44 C) at any time.

#### TOOLS & SUPPLIES:

- Utility Knife, Pull Bar, Spacers, Pencil, Tape Measure, Ruler, Large Combination Square, White Rubber Mallet, Goggles, Hand saw fine tooth
- Advance tools optional but recommended  
Combination Saw, Table Saw, Roto Zip with Carbide tip flat blade, Jig Saw, Hepa Vacuum, Circular Saw, Undercut Saw, D-Cut LP-330 LVT/VCT/WPC Flooring Cutter

#### IMPROPER TOOLS:

- Do not use Metal framing hammer.
- Do not use similar tapping blocks used for laminate, hardwood installations, This will damage the locking mechanism.
- Do not use hand rolling rubber, metal seam rollers similar to carpet glue down

Applications or resilient installation methods.

#### PROPER TAPING BLOCK & METHODS:

- Use a scrap piece of LUX flooring that has the proper locking mechanism, the cut off end will be your contact (Tapping) with a hammer  
at end and place firm even pressure on the installed plank  
gently tap the scrap piece (cut off end) to lock the floor in. (Required to do this method prior to the actual installation to get the proper technique and angles on 2 scrap pieces to engage the floor properly)
- After locking in the next plank use slight pressure to engage the locking mechanism, do not hit directly on the top of the locking mechanism This improper installation technique will damage your plank, and produce  
a damage plank that will require replacement.
- Do not use the rubber mallet, dead blow hammer directly on the top Of the locking mechanism, (Hair Drier) may assist if required. Tapping gently will engage your floor properly.
- Be aware to always clean out each piece of flooring and keep dust and debris out of both locking mechanisms by use of a hepa vacuum with a soft Brush for each row installed, clean your floor with a fine broom  
For each row and keep all construction related work away from the installation
- Keeping your jobsite clean and in an organized manner will assist in the installation. Please also keep other trades off the floor until proper protection has been in place To then accept normal traffic.
- Inspection each plank prior to installation, Cover with Ram Board, and tape Ram Board only or to the wall.
- Never use any tapes, or adhesives similar to: Scotch tape, Duct tape, or Painters tape.

## INSTALLATION STEPS:

1. Start in a corner by placing the first plank with the tongue side facing the wall. Use spacers along each wall to maintain an expansion of space of 5/16" to 3/8" in between the wall and the flooring.
2. To attach the second plank, insert the end tongue into the end groove of the very first plank. When lowered, the plank will click into place. Line up the edges carefully. The planks should be flat to the floor. Then, using a rubber mallet, hammer the plank into place with enough force for the plank to flatten out and lock into place.
3. Continue connecting the first row until you reach the last full plank. Fit the last plank by Shield is a clear, self-adhering protective film used for rotating the plank 180° with the pattern side upwards, placed beside the row. Measure and mark, then using a ruler and utility knife, score the plank and snap off. Attach as described above.
4. Begin the next row with the off-cut piece from the previous row to stagger the pattern. Pieces should be a minimum of 8 inches long and joint offset should be at least 16 inches. Note: it is faster to assemble planks into a new row at the ends and then attach the entire row to the previous row on the long sides.
5. To start your second row, lay your first plank on the sub-floor. Take your second plank, insert the end tongue into the end groove of the first plank. When lowered, the plank will click into place by applying force using a rubber mallet. The plank should be flat to the floor. Make sure gaps are as small as possible. Continue assembling the planks this way until you have your second row complete. To attach the second row to the first row, tilt and push the side tongue into the side groove of the first panel. Lower and click into place lining the edge up carefully. Continue laying remaining planks in this manner.
6. To fit the last row, lay a plank on top of the previous row. With the tongue to the wall, lay another plank upside down on the one to be measured and use it as a ruler. Don't forget to allow room for spacers. Cut the plank and attach into position.
7. Door frames and heating vents also require expansion room. First cut the plank to the correct length. Then place the cut plank next to its actual position and use a ruler to measure the areas to be cut out and mark them. Cut out the marked points allowing the necessary expansion distance on each side.
8. May use a scrap/cut off piece place a mark/cut line that is 1/8" to 3/8" higher. Take an undercut saw, or similar tool to make an even/level cut. Wall Base, Quarter Round, Shoe molding or any custom base, you must allow 2/64" vertical clearance (0.03125) for proper expansion and contractions.
9. End Joints stagger is required to be a minimum of 10". H patterns, stair steps are not

recommended and will cause poor visual effects and other installation related issues.

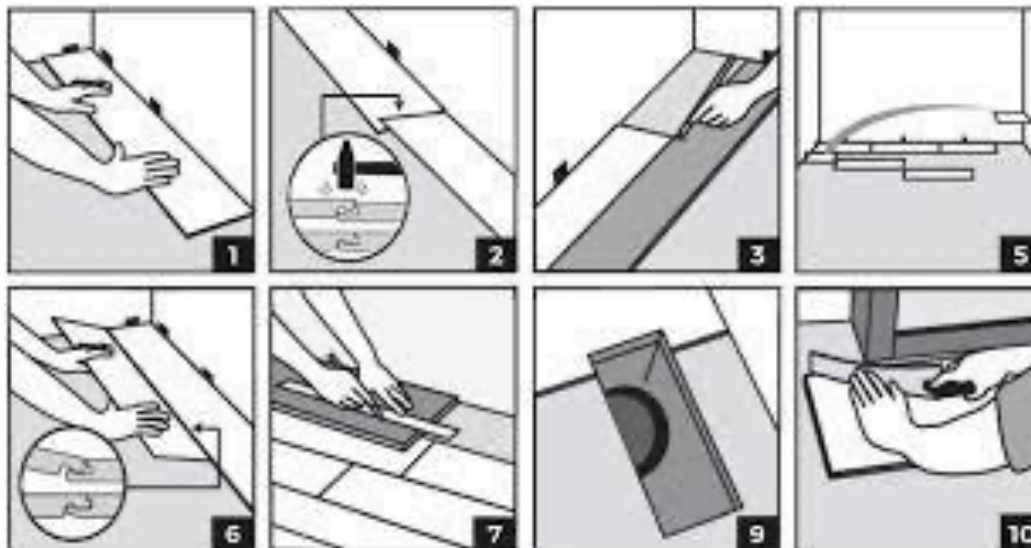
Always complete a dry layout in order to not have small pieces.

Always start on the straight outside end room of the wall and work left to right,

away from your floor.

Use the boxes to cover and protect locking mechanism if installation is not completed for additional protection.

DIAGRAM OF STEPS 1-8:



Warranty Exclusions Slip and Fall: There are several significant factors that directly affect slip resistance properties, such as the type, texture, and surface structure of floor covering, surface contaminates, type of shoe soles, and the walker's weight, age, gait, fitness level, awareness, and vision. There are no published requirements or acceptable limits for Static Coefficient of Friction (SCOF) or Dynamic Coefficient of Friction (DCOF) values within the resilient flooring industry, though there may be for other flooring types. While independent test results are available, that does not purport to address any safety concerns of slip resistance, the accuracy of all test methods, safety thresholds, or the measuring apparatus' (tribometers). This includes factors outside of the reasonable control of the Manufacturer, such as Product maintenance. No warranty for any slip resistance properties can be provided. Walking on any vinyl floor covering in socks or similar is not recommended, especially on stairs, and not limited too wet prone areas If, within the applicable warranty period.

#### LIFETIME RESIDENTIAL LIMITED WARRANTY/15 YEAR COMMERCIAL WARRANTY

The Lux Flooring Lifetime Residential Limited Product Warranty (the "Product Warranty") covers all Lux Flooring Luxury Vinyl Flooring products purchased from Lux Flooring, Inc. or it's approved resellers ("Lux Flooring") for the lifetime of the Buyer (the "Product Warranty Period"). Under the terms of the Product Warranty, Lux Flooring will replace any applicable product in the event that, under normal residential use, the product wears out or develops a significant loss of pattern or color.

1. Limited Product Warranty. THE PRODUCT WARRANTY SET FORTH HEREIN IS EXCLUSIVE AND IN LIEU OF ALL WARRANTIES EXPRESSED OR IMPLIED, INCLUDING WARRANTIES ARISING FROM COURSE OF

DEALING OR USAGE OR TRADE. LUX FLOORING MAKES NO WARRANTY, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.

2. Notice and Procedure/Claim. Written notice of any claimed defect must be reported by Buyer within thirty (30) days of its discovery. Notice may be made to Lux Flooring, Inc., PO Box 1247, Lakewood, NJ 08701. Such notice must be received by Lux Flooring within the Product Warranty Period. In the event that products have visible defects at the time of installation, Lux Flooring must receive written notice within fifteen (15) days of installation. Notice must be accompanied by a copy of the original invoice. Upon receipt of the notice, Lux Flooring may send a third party certified inspector to verify and determine the extent of any defect. Lux reserves the right have material analyzed and reviewed by receiving 3-4 uninstalled planks Do NOT send partial/cut planks, please properly protect during shipping, and or allow Inspection services to receive the same 3-4 uninstalled planks, for review.

3. Limited Remedy. Buyer's sole remedy under the Product Warranty shall be limited to the supply of replacement products for the defective material without charge or, at Lux Flooring's option, a refund of the product's purchase price. Replacement product shall issue from Lux Flooring's regular product lines, and Lux Flooring makes no guarantee that the same flooring product will be available at any time for replacement purposes. Lux Flooring will supply as a replacement product new goods of the same or similar color, design and grade as the defective product. Correction of any defect by replacement or by refund shall be issued within a reasonable commercial time. Any services provided as part of this Product Warranty shall not extend or restart the Product Warranty Period.

THE PRODUCT WARRANTY SHALL NOT APPLY TO CONSEQUENTIAL OR INCIDENTAL EXPENSES RELATED TO ANY DEFECTIVE PRODUCTS, INCLUDING BUT NOT LIMITED TO ANY EXPENSES INCURRED IN THE DISCOVERY, REMOVAL OR REINSTALLATION OF THE AFFECTED MATERIAL, SUCH AS LABOR COSTS, LOSS OF TIME, INCONVENIENCE, OR PROPERTY DAMAGE.

4. Limitation of Liability. Lux Flooring shall not be liable in contract, in tort (including negligence), or otherwise for damage, loss of property, loss of use of property, loss of profits, loss of revenue, claims by customers or agents of Buyer, or for any other special, indirect, incidental or consequential damages whatsoever. Under no circumstances shall Lux Flooring's liability exceed the purchase price of the goods in respect of which damages are claimed.

5. Non-Transferable. The Product Warranty applies only to the Buyer and the original installation site and may not be transferred.

6. Product Suitability. Lux Flooring is not responsible for determining or guaranteeing the suitability of the goods for the uses and applications contemplated by Buyer other than as stated in the Lux Flooring Luxury Vinyl Maintenance Program (the "Maintenance Program") in the form attached hereto. Such determination shall be the sole responsibility of Buyer.

7. Exclusions: The Product Warranty does not apply to products with slight color or texture variation from factory samples or to products with visible defects at the time of installation absent proper notification under Paragraph 2 above. The Product Warranty does not apply to any scratches, discoloration or other damage caused by any of the following: (1) Water or moisture, including but not limited to water or moisture trapped beneath the floor, whether due to improper sub-flooring, hydrostatic pressure, the presence of alkalis, or other conditions, and to water or moisture left on the floor, whether due to leaks,

humidity, or other conditions. (2) Sunlight, excessive heat, fire, smoke, or any other contact by lit or heated objects. (3) Subsidence, earthquake, or any other change in the building's foundation or level. (4) Improper cleaning, including machine scrubbers, floor buffers, steel pads, vacuum cleaner beater bars or any techniques other than those recommended by Lux Flooring under its Maintenance Program. (5) Improper use, including furniture and castor wheels moved or protected in a manner other than that recommended by Lux Flooring under its Maintenance Program. (6) Chemical substances other than those recommended by Lux Flooring under its Maintenance Program, whether intentionally or negligently applied. (7) Abnormal use, including intentional abuse or alteration by any actor, whether or not an agent of Buyer. (8) Cuts, tears, or punctures caused by sharp objects, including indentations caused by heavy point-loading, such as by high heels. (9) Improper installation, including the use of any adhesive other than an adhesive recommended by Lux Flooring. (10) Any wear or reduction in gloss, marks, scuffs, scratches, gouges, dents, or cuts, including (without limitation) those caused by pets/nails, pebbles, sand or otherwise abrasives, construction traffic, or failure to maintain the floor as required.

8. Applicable Law. The Product Warranty grants to Buyer specific legal rights. Buyer may have additional rights under state or federal law.

#### LUX FLOORING LUXURY VINYL MAINTENANCE PROGRAM

Lux Luxury Vinyl Tile normally requires only a minimum of routine maintenance to retain its original "like new" appearance and high-performance characteristics for many years.

#### GENERAL CARE & PREVENTATIVE MAINTENANCE:

1. Dry cleaning similar to a dry sweeping pad or microfiber pad is required to get the loose debris and dusting off the floor, once the pad is full, replace the pads until the floor is cleaned.
2. Wet cleaning with a combination of a wet jet system or Bona moisten cleaner pad (Not spray on the floor) The moisten pad will clean the surface of the flooring properly. Only use pH 7 neutral cleaners.
3. Do not allow any excess cleaners to sit on the floor for an extended period of time.
4. Improper Floor Protection: Nylon/hard plastic glides or casters are improper and inadequate floor protection and increases the risk of damage occurring around Tables, Chairs with improper rolling loads.
5. Proper Floor Protection: All movable furniture legs and chair legs or corners must have proper permanent soft felt, clean floor glide protectors installed on all contact points to reduce indentation, wear, scratching and other flooring or finish damage. Nylon/Hard plastic, combination of metal/soft felt glides are not recommended due to the angle of the chair legs.
6. Office Chairs Residential/Commercial: Rolling seating chairs in desk areas must have a resilient flooring chair and requires a desk chair mat with a smooth backing installed over the finished floor to protect floor covering in the proper size and thickness.
7. Improper Floor protection includes: Plastic/Metal rolling and swivel type casters with no protection with rolling loads that will damage your surface of the flooring.
8. Avoid direct sunlight for extended period of times that may result in Fading, Curling, Discoloration or Thermal Expansion of the flooring, window treatments and blinds with high U-factor windows are effective ways to reduce the above concerns.

9. Hot surfaces such as Stoves, heaters, any fire/flame may impact the flooring finish, Permanent or discoloration may occur.
10. Asphalt tracking may occur, please use walk off mats in any Residential/Commercial installation with light to moderate or heavy traffic counts.
11. Extreme Point Loads and Rolling/Dynamic Loads: Include improper furniture moving, Heavy Wheelchairs pivoting, rolling lifts, equipment placement, ladders, high heels or any concentrated load that may leave indentations that exceed normal use.
12. Trades: All above work is to be substantially completed at the time of the installation. FLOOR

#### PROTECTION:

##### "Improper Floor Protection"

Nylon/hard plastic glides or casters are improper and inadequate floor protection and increases the risk of damage occurring around tables, chairs along with improper rolling loads.

##### "Proper Floor Protection"

All movable furniture legs or corners must have proper permanent floor protectors installed on all contact points to reduce indentation, wear, scratching and other flooring or finish damage.

##### "Office Chairs"

Rolling seating in desk areas must have a resilient flooring chair pad with a smooth bottom installed over the finished floor to protect floor covering in the proper size and thickness.

#### INITIAL CLEANING OF NEWLY INSTALLED FLOORS:

Before exposing the flooring to traffic, brooms sweep the installation to remove debris and grit that could be ground into the surface and cause scratches and damage. Dry cleaning is required to get the loose debris and dust off the floor, once the pad is full, replace dry/pads until the floor is cleaned. Then proceed to wet cleaning with a Bona moisten cleaner pad (Not spray on floor) The moisten pad will clean the surface of the flooring properly.

CLEANING: Only use PH Balanced Neutralized cleaning products. (PH of 7) Cleaning Vinyl flooring with any other non-neutral cleaners will damage the finish and will void the manufacturer warranties.

#### WARNING:

1. Do not use a vacuum cleaner with a beater bar, machine scrubber, or floor buffer.
2. Do not use steel pads, Scotchbrite pads, SOS pads or similar abrasive pads.
3. Never drag heavy items (furniture, sofas, etc.) across the finished floor without Proper protection