

# Installation Instruction

## Legend

### Click Luxury Vinyl Plank/Tile

Congratulations on the purchase of your new floor. We thank you for your excellent selection of a Twelve Oaks product that is designed to offer you years of use and enjoyment.

Twelve Oaks Legend Luxury Vinyl Floors uses the authenticated locking system licensed by Uniclic®. This innovative technology offers great stability and allows for an easy installation, saving you up to 50% on installation time.

### IMPORTANT

- To ensure that your floor is installed properly, Twelve Oaks requires that you **CAREFULLY READ AND FOLLOW** the installation instructions **BEFORE** you or a hired authorized professional install Twelve Oaks products. **FAILURE TO DO SO WILL VOID YOUR PRODUCT WARRANTY.**
- It is the **INSTALLER and OWNERS' RESPONSIBILITY** to inspect all material carefully **BEFORE** installation, and ensure the product match what has been ordered/chosen. If you have any doubts or concerns in regards to the quality of Twelve Oaks flooring products, report to your retailer **BEFORE** installation. **INTALLATION IMPLIES ACCPECTANCE. NO CLAIM AGAINST MATERIAL OR LABOR WILL BE ACCPETED BY TWELVE OAKS ONCE THE MATERIAL IS LAID OR INSTALLED.**
- It is the **INSTALLER and OWNERS' RESPONSIBILITY** to ensure the job-site, ambient and the sub-surfaces conditions **MEET** all of Twelve Oaks' requirements.
- A 5% material waste allowance should be included within your total square footage
- Ensure the subfloors is level within **3/16" in 10' radius** (5mm in 3m)

### TOOLS

Basic tools and accessories: broom or vacuum, chalk line, cement based embossing leveler, vinyl flooring surface cleaner, hand saw, jigsaw or cross cut saw, wood/concrete moisture meter, safety wear, straight edge, pencil, tape measure, square, utility knife, spacers

### SAFETY – EXISTNG FLOOR

Do not mechanically chip or pulverize existing resilient flooring, backing, lining felt, asphaltic “cutback” adhesives or other adhesives. These products may contain either asbestos fiber and/or crystalline silica. Inhaling such dust is a cancer and respiratory tract hazard. Always follow local health and safety regulations.

### STORAGE AND HANDLING

Handle and unload flooring product with care, and store in a dry and well ventilated place between **65-85°F (18-29°C)**. Flooring shall not be delivered until the building has been enclosed with windows, doors are in place, and cement work, plastering and all other “wet” work are completed and dry. HVAC system should be in place and in operation at least 14 days prior, during and after installation of the flooring.

### JOBSITE CONDITION & PRE-INSTALLATION REQUIREMENT

Exterior grading should be completed with surface drainage offering a minimum drop of 3” in 10’ (7.6cm in 3m) to direct flow of water away from the building. All gutters and drainage spouts must be in place. The soil around the house must be treated or graded to provide sufficient drainage.

Acclimatize the vinyl flooring products on jobsite. Material is acclimated once it has reached moisture equilibrium consistent with the ambient temperature and relative humidity of the job site conditions listed below.

Relative humidity level, where floor is installed, must be maintained at between **30% and 55%**, and room temperature be consistently kept at **65-85°F (18-29°C)**. These ambient conditions are specified as pre-installation requirements and should be maintained for the life of the vinyl floor.

### SUBFLOOR CONDITIONS AND INSPECTION

Twelve Oaks vinyl flooring products can be laid over most solid and stable sub-floor materials, including plywood, chipboard, existing hardwood flooring, concrete slab, ceramic tile, and resilient.

### IMPORTANT

- Installer/owner is responsible for determining if the

jobsite, subfloor, other conditions are environmentally and structurally acceptable for vinyl floor installation. Twelve Oaks declines any responsibility for product failure resulting from or connected with subfloors, subsurface, jobsite damage or deficiencies after floors have been installed.

- Wall to wall carpeting must be removed before installing your new vinyl floor
- Your installation will only be as good as the subfloor underneath. Installer/owner must take care to inspect and ensure subfloors meet the flooring conditions.

### 1) STRUCTURALLY SOUND

Nail or screw down the subfloor (plywood or OSB) if there are any loose areas. It is recommended to install vinyl floor over plywood, CDX and/or concrete. Replace any water-damaged, swollen or delaminated subfloor/underlayment.

### 2) LEVEL & FLAT

Avoid subfloors with excessive vertical movement. Use a straight edge or level, check to ensure the subfloors is within **3/16" in 10' radius** (5mm in 3m) or **1/8" in 6' radius** (3mm in 2m). Use a cement leveling compound that has strength no lower than 3000 p.s.i. to patch/fill any low areas. Follow the cement leveling compound manufacturer's instruction to avoid overfill in deep voids.

### 3) CLEAN

Inspect to ensure the subfloor is free of any imperfections (nails or screw). Sweep or vacuum thoroughly to make sure there is no wax, paint spills, oil, debris, or anything that could impede adhesion to the subfloor.

### 4) DRY

Conduct appropriate moisture test from several different areas of the subfloors and record readings. Subfloor moisture content must not exceed 4% for concrete or 12% for plywood/OSB. It is the responsibility of the installer/owner to verify and ensure the moisture contents are within the requirements prior to installation.

### Subfloors

#### **PLYWOOD:**

3/4" (19mm) CDX plywood subfloor is preferred, but minimum thickness of 5/8" is required. Check the entire subfloor is fastened down with proper fastener.

#### **O.S.B.:**

3/4" OR 23/32" stamped exterior grade is approved.

#### **CONCRETE:**

Allow a minimum of 60 days for new concrete to cure before installation. If moisture reading exceeds 4% from concrete moisture test, conduct a calcium chloride test. Never install a vinyl floor when calcium chloride test exceeds 5 lbs/1000 sf./24 hr. The pH level of concrete must register between 8 and 9.

The following tests are required for commercial application. Both tests should be performance prior to installation.

- Calcium Chloride Test (ASTM F 1869): Moisture less than 5 lbs/1000 sf./24 hrs.
- RH Level in concrete using In-situ Probes (ASTM F 2170-02): Between 85% and 93%.

#### **OTHER:**

LVT and LVP can be installed over ceramic, Terrazzo, and other hard surfaces. It is the installer/owner's responsibility to ensure the surfaces are dry, clean, structurally sound, and level, as described in subfloor requirements. It may be necessary to seal extremely porous or heavily embossed surfaces to ensure a strong bond.

### **RADIANT HEAT**

Twelve Oaks Legend Click Vinyl floors should not be installed over radiant heat.

### **PREPARATION**

Remove existing carpet, baseboards, moldings (if applicable), wall-base, and thresholds. Undercut all door castings with a hand or power jam saw using a scrap piece of floor plank as a guide. Ensure doors can still open and close after installing the floor (leave a minimum of 3/8" or 1cm clearance).

For a more realistic look, be sure to blend the planks from several cartons to ensure a good mixture of pattern throughout the install. Always stagger planks 8" between end joints of adjacent plank rows for aesthetic and structural stability purposes. Avoid "H" patterns and other discernible patterns in adjacent rows. Discard any pieces shorter than 8" at the end of any row.

### **INSTALLATION**

#### **IMPORTANT**

- LVP/LVT can be scored and cut to shape to fit around irregular spaces. It is recommended to make a

cardboard template of the space and transfer the pattern onto the plank. Measure twice, cut once

- 3/8" expansion gap must be respected between flooring and all vertical rises or warranty is void.
- If installed in a high moisture space (i.e. kitchen, bathroom), it is mandatory to use silicone to seal the expansion gaps
- You can walk on your new Legend vinyl floor immediately after installed. Clean and maintain per *Care and Maintenance* instructions.

**Step 1:** It is recommended to find the longest and straightest wall to be the starting point. Lay planks with the tongue side facing the wall. Insert spacers to ensure a 3/8" expansion gap is consistently kept.

**Step 2:** Align the next plank, and connect the end joints into place of the first LVP/LVT. Interlock the joint profile by gently pushing down.

**Step 3:** Continue connecting the first row of LVP/LVT until the last full board. A quick tip -- fit the last LVP/LVT of the first row by turning it 180°. Place it beside the last full board, mark and cut off the excess. This will ensure that it fits perfectly in the remaining space of the first row.

**Step 4:** Continue to interlock LVP/LVT together to complete the install area. Remember to insert spacers at the beginning and end of each row for expansion. It is recommended to seal all areas that are prone to high moisture (i.e. around tubs, toilets, and showers) with silicone caulking.

**Step 5:** Reinstall base and/or quarter round moldings to cover the expansion space.