

# 5mm Premium Luxury Vinyl

LL14070-V1

## INSTALLATION & MAINTENANCE INSTRUCTIONS | PRODUCT VINYL PLANKS

**PLEASE READ ALL INSTRUCTIONS CAREFULLY, BEFORE YOU BEGIN INSTALLATION.  
IMPROPER INSTALLATION WILL VOID WARRANTY.**

Always check [www.tasflooring.com](http://www.tasflooring.com) for the latest installation information, warranty and maintenance information. The instructions for this product can be found by searching for LL14070. Read and follow all manufacturer instructions.

### Please Note:

- Flooring should be one of the last products installed in new construction. The building must be climate controlled with all windows and doors installed, and other trades work completed.
- It is the installers responsibility to determine the suitability of this product for the situation it is being installed in.
- Always prepare a proper subfloor (see section on substrates). A proper substrate is the foundation of a successful floor.

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### 1) General Guidelines

Always follow the most current installation instructions. For the most current instructions go to [www.tasflooring.com](http://www.tasflooring.com) and search LL14070. Always read the complete installation instructions prior to installation. Always follow all Local and Federal Building Codes. Always follow all OSHA regulations for safety.

### 2) Installer Responsibilities

It is the floor covering installers responsibility to:

- Make sure the latest installation instructions are followed. For the most current instructions go to [www.tasflooring.com](http://www.tasflooring.com) and search LL14070.
- Make sure the product is suitable for its intended use.
- Visually inspect all material and remove any visibly defective material. Visibly defective material installed will not be covered under warranty.
- Stop any project that does not meet installation guidelines and contact the flooring retailer it was purchased from.
- Work out of several boxes mixing product for visual appearance. Dry fit prior to installation is the recommended method.

### 3) Suitability of Product

This product is approved for climate controlled indoor applications only.

#### Loose lay method approved for use in:

- Residential & multi family applications

#### Glue down method approved for use in:

- Residential & multi family applications
- Commercial applications: business offices, boutique shops, stores, entry foyers, areas with moderate rolling loads, or similar environments.

#### Loose lay method not approved for use in:

- Areas of heavy rolling loads
- Commercial applications
- Industrial applications

#### Glue down method not approved for use in:

- Industrial applications

Please read warranty for a more complete definition of acceptable use.

### 4) Site Condition Requirements (NRC)

#### Normal Room Conditions (NRC) are defined as:

- Ambient air temperature between 65-85 degrees Fahrenheit
- Surface temperature between 65-85 degrees Fahrenheit
- Ambient RH (Relative Humidity) between 35%-60%
- Substrate must be dry: concrete-less than 80% RH (Relative Humidity), wood less than 10% moisture
- pH levels between 5 and 9
- All flooring products (including adhesive and trim) are required to achieve NRC prior to installation

## 5) Acclimation Requirements

### **All products must acclimate to the room conditions in which they are being installed.**

Flooring products (including adhesive & trim) are designed to perform in normal room conditions (NRC). Flooring products must achieve and maintain NRC 48 hours prior to, during and 48 hours after installation. Temperature and Relative Humidity readings must be taken and documented, including ambient room temperature and surface temperature.

Acclimate cartons laying flat, not on end or on side, stacked no more than 5 cartons high. Avoid storing flooring in direct sunlight. Do not store on operational radiant in-floor heated areas. It is critical to take a surface temperature reading of the vinyl plank prior to installation, it must also be at NRC (Normal Room Conditions).

NRC (Normal Room Conditions) must be consistently maintained.

## 6) Subfloor Flatness Requirements

### **Subfloor Flatness:**

Subfloor must be flat, with no undulation exceeding 3/16" in a 10' radius. Grind high spots down and/or fill low spots with a quality cement patching compound. Allow patch to completely dry prior to installation. Follow patch manufacturers installation guidelines.

Follow all local build regulations and OSHA procedures when grinding. Some substrates might contain harmful contaminants; such as silica sand or asbestos. It is critical that you determine prior to grinding if there are any harmful contaminants in the subfloor.

**Warning: Follow the Resilient Floor Covering Institute (RFCI [rfci.com](http://rfci.com)) recommended practices whenever you are grinding a substrate, existing flooring or adhesive residue. These surfaces may contain Asbestos or other harmful contaminants.**

## 7) Suitable Substrate Requirements

### **Substrate Construction:**

Substrate must conform to all Local and Federal Building Codes. Substrate must be soundly constructed to eliminate vertical movement.

- Wood substrates (underlayment grade plywood, OSB & OFB) must be a minimum 1" thick (can be 3/4" thick with a 1/4" plywood underlayment).

Subfloor must have a minimum 18" clearance between the bottom of the joist and the ground. Ground must be covered 100% with 6-mil poly film. Joist must be 16" on center.

- Concrete/Gypcrete substrates must be a minimum 3500 PSI.

### **Approved Substrates:**

It is the floor covering installers responsibility to insure that subfloor conditions are suitable. Substrates must meet all Federal and local building codes.

- Properly prepared concrete, cement patch & leveling, (minimum 3500 PSI). Must not exceed 85% RH (ASTM F-2170-09) and must not exceed 10lb MVER (ASTM F1869-10). pH levels must be between 5 and 9.

- Gypsum, properly prepared gypsum (minimum 3500 PSI). Must be dry based on gypsum and adhesive manufacturer standards, maximum 80% RH (ASTM F2170-09), 200 or less on a Protimeter Aquant Moisture Meter.

- Underlayment grade plywood, minimum 5.5mm thick. Must be dry, less than 10% moisture content.

- For hard to bond to substrates such as metal, Terrazzo, epoxy and ceramic tile, refer to the adhesive manufacturers installation instructions.

- Underlayment grade Orientated Strand Board (OSB) and Orientated Fiber Board (OFB), follow adhesive manufacturers instructions on proper preparation of OSB & OFB.

- Cushion underlayment designed for vinyl plank flooring (it is up to the underlayment manufacturer to determine suitability and provide warranty of performance.)

### **Non-Approved Substrates:**

It is the floor covering installers responsibility to insure that subfloor conditions are suitable. Substrates must meet all Federal and local building codes.

- Sleeper type floor systems.

- Plywood installed directly over a concrete slab.

- Soft plywood or plywood not approved as "Underlayment Grade" certified by the Plywood Association, Luan, and pressure treated.

- Masonite or hardboard.

- Contaminated surfaces: abatement chemicals, paint, oil, mold, mildew, grease or any containments that might interfere with adhesive bonding.

- Strip plank wood flooring.

- Uneven (3/16" in 10') or unstable substrates.

**For all substrates not mentioned check with TAS Flooring before proceeding with the installation.**

## 8) Subfloor Moisture Requirements

Follow the adhesive manufacturers installation requirements for moisture tolerance of their adhesive.

The flooring manufacturer requires:

- Concrete, cement patch & leveling (minimum 3500 PSI). Must not exceed 85% RH (ASTM F-2170-09) and must not exceed 10lb MVER (ASTM F1869-10). pH levels must be between 5 and 9.

- Plywood and other approved wood substrates must not exceed 10% moisture content.

## 9) Radiant Heated Floors

### **Radiant Heated Substrates:**

In-Floor hydronic (water) radiant heat is acceptable to install over providing the substrate never exceeds 85 degrees Fahrenheit. In-Floor radiant heated floors must be turned off to achieve a substrate temperature between 65 and 75 degrees Fahrenheit prior to, during and for 48 hours after the installation.

- Floor warming systems, such as electric wire and mat systems, are not approved to install over.

## 10) Substrate Preparation

### **Substrate Preparation:**

It is the floor covering installers responsibility to insure that subfloor conditions are suitable. Substrates must meet all Federal and local building codes.

- Substrate must be soundly constructed to standard industry requirements.
- Substrate must be suitable to receive adhesive, dust free, containment free and within moisture and pH meeting adhesive manufacturers requirements.
- Always determine porosity of substrate to determine what adhesive to use (see Substrate Porosity).
- Wood substrates must be properly ventilated, with a minimum of 18" between the floor joist and the ground, a minimum 6 mill poly film must cover the ground completely, overlapped and taped.

## 11) Substrate Porosity

### **Determining Porosity:**

Porosity must be determined to select the proper adhesive, proper trowel notch and installation method. To determine porosity:

- Place a dime sized drop of water on the substrate surface
- If the water dissipates completely into the substrate within 2 minutes the substrate is highly porous.
- If the water dissipates partially into the substrate within 2 minutes it is considered moderately porous.
- If the water remains beaded up on the surface for 2 minutes it is considered non-porous.

## 12) Room Requirements

- Open transition areas with no wall to lay against should be fixed with adhesive.
- In rooms with dimensions greater than 20' in any direction, or in high traffic areas, an additional band of adhesive is required ever 10'. In areas of extreme high traffic or areas with rolling loads i , it is required to use full spread adhesive.

## 13) Layout

- It is best to lay flooring parallel to light source (such as a window).
- Determine the center of the room by marking the center of each end wall. Snap a line with a chalk line between these two points.
- Dry lay rows to wall, if the plank to the long wall will be less than 2" adjust the center line to make the long wall plank over 2". The goal is to have planks next to the wall to be a minimum of 2". Balance the cuts in the room.
- For best visual stagger end joint by a minimum of 8" on a random basis.

## 14) Loose Lay Installation Method

Loose lay option is for single unit residential application only. High traffic, heavy rolling loads, or areas with high temperature variation (more than 20 degrees per day) require full spread adhesive installation (16).

1. Begin the installation in a corner, ensuring first that the layout requirements (13) have been planned for.
2. When loose laying never fit full, a gap of 1/16" is required at vertical surfaces. In areas where the flooring will not be covered by trim and/or base, a bead of flexible caulking (Silicone) is required.
3. Apply a 6" band of firm setting adhesive, designed for use with vinyl flooring (recommended: Taylor Dynamic), around the entire perimeter of the installation area. Follow the adhesive manufacturers installation instructions. A 6" spread of adhesive is required where plank transitions to a different type of flooring.
4. Make sure each plank is fit tightly to the next piece. Very light tapping to get a tight fit is acceptable, but take care not to compress the plank you are tapping into. Overly tightfit will lead to compression and later peaking joints when the compressed planks expand to normal length or width.
5. In areas larger than 20' in width or length, a 4" band of adhesive is required every 10'. Apply on a cross direction.
6. Tip: Apply painters tape to keep planks together during install every 3-4 rows

## 15) Adhesive

- Always use a firm setting premium grade adhesive designed for vinyl flooring installation.
- Always use an adhesive designed for substrate porosity of the installation conditions.
- Always follow the adhesive manufactures recommended method of application.
- Always follow the adhesive manufacturers installation instructions.
- Always provide proper ventilation.
- The manufacturer recommends Taylor Adhesive – Dynamic or Uzin KE2000S
- For areas of high temperature fluctuations and high moisture WF Taylor Resolute (wet lay) adhesive can be used. Follow adhesive manufacturer installation instructions.
- Clean any adhesive residue on the surface of vinyl plank immediately, follow adhesive manufacturers instructions.

## 16) Glue Down Installation Method

- Buildings and flooring expands and contracts with normal climate changes, always leave a 1/8" expansion gap at all vertical surfaces.
- Vinyl plank can be cut using a shear cutter designed for cutting vinyl plank, a utility knife and utility blade using a "score & snap" cutting method, a table saw or jig saw.
- Always read and follow the adhesive manufacturers complete installation guidelines.
- Always follow adhesive manufacturers instructions on open time requirements. This is the amount of time the adhesive must remain open to allow the moisture to "flash off".
- For wet lay (permeant) applications always insure a minimum 90% coverage of the adhesive to the back of the vinyl plank. Test adhesive often to make sure it has not skinned over. Follow the adhesive manufacturers installation instructions. If working on the flooring use a kneeler board to avoid dispersing the wet adhesive.
- For dry lay (pressure sensitive) applications allow adhesive to dry to the touch, still tacky with no transfer to your finger when touched. Follow adhesive manufacturers installation instructions.
- Always check substrate conditions prior to applying adhesive, it is the installers responsibility to insure conditions are suitable.
- Determine substrate porosity prior to choosing adhesive and trowel. See 11) Substrate Porosity for how to test porosity.
- Apply adhesive with the recommended trowel notch. Trowel notches can become worn during installation. Use a trowel notch tool, file or replace trowels when they become worn.
- Apply adhesive and allow proper open (flash time) based on the adhesive manufacturers installation instructions.
- Place planks into adhesive making sure all joints, end and side, are lightly butted together. Avoid gaps and tight compression fits.
- Roll entire installation with a 75-100lb roller immediately after installation. Reroll again 1-2 hours after installation.
- Visually inspect installation to insure all side and end joints are rolled flat. A small hand roller is best to roll down lifted areas.
- Clean any adhesive residue that is on the plank surface immediately following adhesive manufacturer instructions.
- Cover all cut edges with appropriate floor trim.
- For cut edges that will not be covered with trim (example: sliding glass door frames or door thresholds) fill expansion gap with a flexible caulking.
- Do not wash or treat the floor for a minimum of 48 hours to allow the adhesive to cure.

## 17) Floor Protection

### Floor Protection:

- Allow adhesive to set up before allowing traffic onto the installation, light traffic 24 hours, heavy traffic 72 hours.
- If other trades are working in the installation area, protect flooring with an approved breathable floor protection material such as a builder board or reinforced 60lb Kraft paper.
- Wait a minimum of 24 hours before applying floor protection.
- Wait 7 days before thoroughly cleaning floor to allow adhesive to set up.
- Always use chair pads under rolling caster chairs and chair leg protectors, minimum of 1-1/2" diameter, under furniture legs.

## 18) Maintenance

### Initial Maintenance

- Wait 7 days before a complete cleaning of the surface for adhesive to cure.
- Always use a neutral pH cleaner, such as WF Taylor Fresh Floors.
- Allow flooring to dry completely prior to foot traffic.

### Daily & Weekly Maintenance

- Sweep, dust mop or vacuum the floor as needed to remove loose dirt and grit. Do not use a vacuum with bristles or a beater bar.
- Clean liquid spills immediately.
- Damp mop (do not flood floor) as needed.

### Preventative Maintenance

- Chair pads are required under roller caster chairs.
- Furniture leg protectors, minimum 1.5" diameter, are required under all furniture legs.
- Use protective boards when sliding heavy furniture across flooring.
- Never apply rubber mats directly on top of vinyl flooring.
- Place walk off mats outside entry doors to prevent dirt and sand from entering into the installation.
- Protect flooring from direct sunlight with window and glass door coverings to prevent fading.
- No additional floor polish or sealer is required or approved and will void warranty.

Always check the [www.tasflooring.com](http://www.tasflooring.com) for the latest installation information, warranty and maintenance information. The instructions for this product can be found by searching for LL14070. Read and follow all manufacturer instructions.



***For all installation conditions and information not covered specifically under these instructions, or defective material, contact TAS Flooring at ([www.tasflooring.com](http://www.tasflooring.com)), or call 1-800-562-2857.***