



Perfecto Vinyl

Installation Instructions

TOOLS REQUIRED

- Utility Knife
- Tape Measure
- T-Square
- 1/4" Spacers
- Chalk line
- Safety glasses

PRIOR TO INSTALLATION

- Carefully check flooring material for any defects. Contact your supplier immediately if any defect is found.
 - Acclimate flooring in room where it is to be installed at a constant temperature between 65° and 85°F for 48 hours or more before, during, and after installation. Open boxes, but do not remove planks when acclimating. Please note that concrete floor can be up to 10 degrees colder than ambient room temperature. Do not store flooring directly on concrete, Allow for air circulation.
 - Remove quarter round, baseboard molding or cove base.
 - Undercut doorway moldings to the thickness of the flooring.
 - Always store cartons horizontally on a smooth, solid, flat, clean surface.
 - Protect carton corners from damage
 - Remove all furniture and appliances from room.
 - Do not stack higher than ten cartons-do not stack anything on uninstalled vinyl planks.
 - Open several cartons and mix planks together to ensure a random pattern upon installation.
 - Install kitchen cabinets prior to installing Perfecto Vinyl planks
 - Do not install base cabinets or island cabinets on top of the floor
- ***Vinyl planks are resistant to water damage, but do not prevent the transmission of moisture. Moisture should not be allowed to collect on either side of the vinyl flooring to prevent deterioration of the boards, and to prevent the growth of mold and mildew***. like the trapping of moisture emissions under the flooring which may contribute to an unhealthy indoor environment. Perfecto does not warrant nor is responsible for damage to floor covering due to moisture related issues.

RECOMMENDED USE

- Residential and light commercial applications
- Interior use only in climate controlled environment
- Not for use on ramps
- Do not install planks over floors that are sloped for drainage.
- Any uneven areas greater than 3/16" in 10" or 1/8" in 6 feet should be leveled with a portland based cementitious patching/ leveling compound.
- Do not use foam underlayment under Perfecto Vinyl Flooring.

Perfecto Vinyl Flooring Installation Sheet

PLEASE FOLLOW ALL INSTRUCTIONS TO ASSURE SATISFACTORY INSTALLATION

- All substrates must be permanently dry, clean, smooth, level, free from all foreign materials such as dust, wax, glues, solvents, paints, grease, oils, and any chemical residues.
- All subfloors must be flat, dry, structurally sound, and free from movement or deflection. Correct preparation of the subfloor is a major part of a successful installation. Roughness or unevenness of the subfloor may telegraph through the new floor covering, resulting in an unsightly surface and may cause excessive wear on high spots. Subfloor must be flat – 3/16" in 10" or 1/8" in 6'.
- CAUTION: Some types of nails, such as common steel nails, may cause discoloration of the vinyl floor covering. Recommendations for attaching underlayment panels are not included. Solvent based construction adhesives are known to stain vinyl floor coverings. All responsibility for discoloration problems caused by the use of the above mentioned products is not the responsibility of Perfecto, but rests with the installer and the underlayment panel manufacture.
- Fill and level all plywood seams and concrete cracks, construction joints, control joints, depressions, grooves or other irregularities.
- Use a latex fortified, cementitious patching compound.
- Prior to installation of floor, sweep and/or vacuum substrate to remove all dust and debris.

WOOD SUBSTRATES

- Wood floors must be double construction with a minimum thickness of 1", free from spring / deflection. Top layer of plywood shall be 1/4" minimum thickness underlayment grade plywood. Recommended underlayments include APA Underlayment Grade Plywood A-C, B-C or C-C plugged, ACCUPLY, SurePly, TECPLY, ULAY, C.S.A. (CanPly) and Proboard. Do not install material over wood subfloors that lay directly on concrete or over sleeper construction. All subfloors must be structurally sound and installed following their manufacturer's installation instructions. Local building codes may only establish minimum requirements of the flooring system and may not provide adequate rigidity and support for proper installation and performance.
- A moisture test is required using a pin-type moisture meter. The moisture content should be 13% or less.
- Joist spacing should not exceed 19". Use nail set for fasteners exposed above surface. Fill and sand gaps wider than 1/8" wide.

- If the surface of the wood subfloor is not smooth, a 1/4" underlayment panel must be installed over the subfloor, per the underlayment manufacturer's written instructions.
- Perfecto Vinyl Flooring should not be installed directly over fire-retardant treated plywood or preservative treated plywood. An additional layer of APA rated 1/4" thick underlayment is recommended as a buffer between the two.

CONCRETE SUBSTRATES

Perfecto Vinyl Flooring may be installed over on grade, above grade, or below grade concrete subfloors.

- Concrete must be permanently dry, clean, smooth, level, free from all foreign materials such as dust, wax, glues, solvents, paints, grease, oils, and any chemical residues.
- New and existing concrete subfloors should meet the guidelines of the latest edition of ASTM F 710, "Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring" available from the American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428; 610-832-9585; <http://www.astm.org>
- Concrete shall be finished and cured according to ACI and have a minimum compressive strength of 3500 psi. Installation of moisture vapor barrier is recommended prior to pouring of on or below grade slabs. A 6 mil polyurethane moisture barrier should be used with concrete subfloors. Moisture vapor transmission shall not exceed 8 lbs./1000 sq. ft./24 hours per ASTM F-1869 (Anhydrous Calcium Chloride Test). Moisture may also be tested according to ASTM F 2170 (Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes). When tested according to this method, the internal relative humidity shall not exceed 85%. Perfecto Vinyl Flooring may be installed over gypsum based underlayments.
- Do not install over concrete with a history of high moisture or hydrostatic conditions.
- Holes, grooves, expansion joints and other depressions must be filled with a Portland based patching and levelling product, and troweled smooth and feathered even with the surrounding surface.
- Maximum acceptable pH level of 9 or less. Refer to the Resilient Floor Covering Institute Website at: <http://rfci.com/wordpress/wp-content/uploads/2013/09/recommended-workpractices.pdf>

EXISTING FLOORS

Perfecto Vinyl Flooring may be installed over most smooth, single layer, hard surface existing flooring (resilient, tile, ceramic, marble, and terrazzo. Existing flooring must be moisture free and in good condition. Any residue (i.e. old glue) on subfloor must be completely removed. Check flooring for any curled areas around the perimeter or at seams and repair if necessary. Level by using a good quality cementitious based embossing leveler to smooth and fill the existing floor or grout lines. Tile may require several skim coats to achieve a flat surface.

*******OLD, EXISTING FLOORS MAY CONTAIN THIS HAZARDOUS MATERIAL*******

*******WARNING:** Do not sand, dry sweep, dry scrape, drill, saw, bead blast or mechanically chip or pulverize any existing resilient flooring, backing, lining felt, or asphaltic "cutback" adhesive. These products may contain asbestos fibers or crystalline silica. Avoid creating dust. Inhalation of such dust is a cancer and respiratory tract hazard. Smoking by individuals exposed to asbestos fibers greatly increases the risk of serious bodily harm. Unless positively certain that the existing product is a

non-asbestos containing material, you must presume it contains asbestos. Regulations may require that the material be tested to determine asbestos content. Follow instructions posted in current edition of the Resilient Floor Covering Institute(RFCI) publication "Recommended Work Practices for Removal of Resilient Floor Coverings"*****

*******PLEASE NOTE*******

Perfecto Vinyl Flooring is a floating floor and should not be glued or nailed to the substrate. Do not glue the click mechanism of this floor. As with any floating floor, installing with spans over 35 feet in length or 25 feet in width without use of a transition piece will void the warranty. Perfecto Vinyl Flooring is intended for indoor use only.

GETTING STARTED

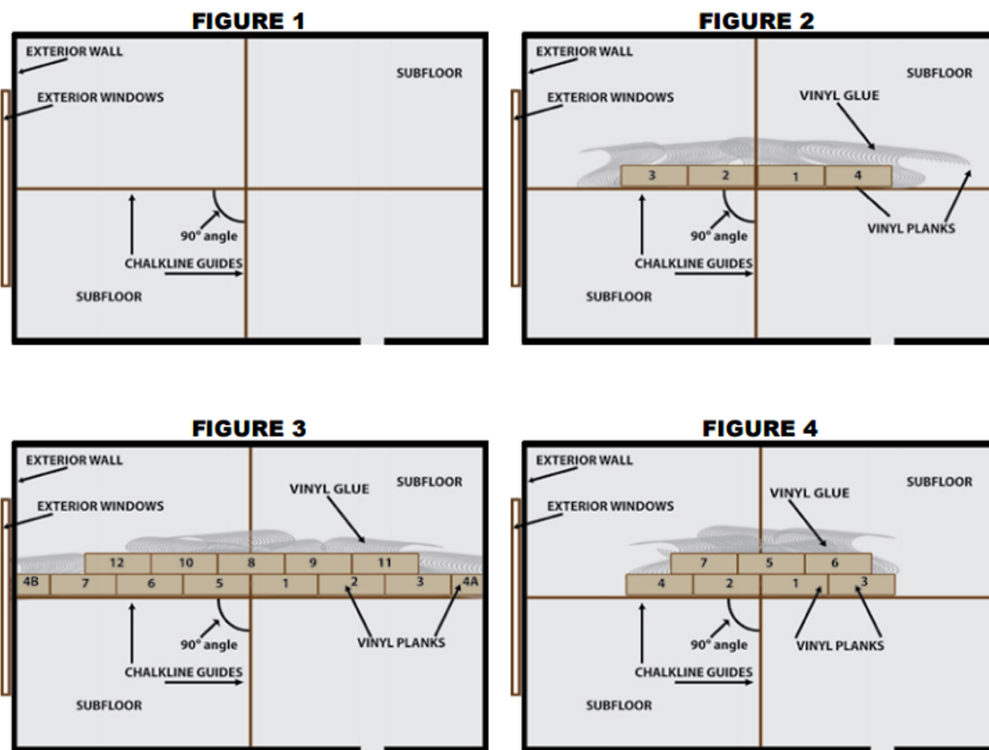
1. Determine which direction the planks will be installed. To make the room appear larger or if installing in very small rooms or hallways, it is preferable to lay the planks parallel to the longest room dimension.
2. Do not install cabinets on top of planks.
3. Carefully measure the room to determine squareness and to determine the width of the last row of planks. If the width of the last row of planks is less than 2" (50mm), excluding the tongue, the width of first row of planks will have to be cut accordingly.
4. A minimum 1/4" expansion space is required around the perimeter of the room and all vertical objects (ie. pipes and fixtures).
5. Inspect all planks for visible defects and damage before and during installation. Do not install damaged planks. Perfecto will not accept responsibility for claims on flooring installed with obvious defects. During installation, inspect the groove area and remove any debris that may prevent proper assembly of planks.

INSTALLATION

- Begin installation parallel to the long dimension of the room, preferably parallel with the light sources (windows and doors) (see figure 1). Snap a chalk line at the starting point to maintain alignment. Use planks mixed in from four or five boxes to achieve random pattern.
- Install planks from the left side of the starting wall and work to the right side. If starting with a full width plank, the tongue must be removed (figure 3). To trim planks, use a Utility knife and a straight edge. Score the top surface of the plank, flex it downward to separate pieces. The tongue side of the plank always faces the starting wall. Place 5/16" (8.2mm) spacers between the short and long side of the planks and the wall. Always position one spacer between the wall and where the planks join.
- The end joints of the planks in the first row are assembled by inserting the tongue side into the groove side of the previous plank at a low 20-30° angle. Gradually lower the plank down flat, applying pressure inward and downward, until the end joint closes, insuring that the planks are perfectly aligned. Install remaining full planks in the first row.
- The last plank in the first row may need to be cut. Measure the distance between the wall and the surface of the last full plank. Subtract 5/16" (8.2mm) from this measurement to allow for the spacer. If this measurement is less than 8" (20.3cm) in length, trim first plank and last plank, each no less than 8". Planks are cut using a sharp utility knife and straight edge or carpenter's

square. Score the surface of the plank with a utility knife, and then snap the plank at the score line.

- The remaining piece cut off from the last plank in the first row may serve as the first plank in the second row provided it is at least 8" (20.3cm) long. Always stagger end joints from row to row a minimum of 8" (20.3cm).
- Install the long side of the first plank of the second row. Remember to place a 1/4" spacer between the wall and the short side of the plank. Insert the tongue side into the groove side of the previous row at a low angle and lower flat to the substrate.
- Install the second plank of the second row. Position the long side of the plank with the tongue side overlapping the groove of the planks in the previous row approximately 1/8". Then, angle the end joint into the previous plank. Angle the plank down and gently push in until the plank locks into the previous row. Continue installing remaining planks in second row. It is important to make sure that the first two rows are straight and square or this will adversely affect the entire installation.
- Continue working from left to right, row by row. Be sure to maintain a 1/4" space around all walls and vertical objects and maintain a random appearance by cycling patterns of boards. Offset end joints a minimum of 8" (20.3cm).
- When fitting around door trim it will be necessary to slide the plank under the trim. This can be accomplished easily by starting the row on the side of the room with the door trim and then sliding the plank into place once it is attached. The row can be completed by inserting the tongue in to the groove or the groove into the tongue depending on the direction.



(Figures via 2013 Featherlodge®, KNOCK OUT® - TP Brands, Intl, LLC products all rights reserved)

FINISHING THE INSTALLATION

- After all planks have been installed, remove spacers from perimeter of room.
- Install transition moldings. Do not fasten any moldings through the flooring.
- Pre-drill and install quarter round or baseboard molding. Molding must be sufficient size to cover the 1/4" space. Do not fasten moldings through the flooring. Fasten into the wall.
- If not covering exposed edges with trim, fill the gap with a high quality silicone caulking.
- Use plywood to cover the top of the flooring when moving heavy furniture or appliances into position.
- Use proper floor protectors under the legs of furniture.
- Post installation temperature must be maintained between 65° and 85°F. Relative humidity must be maintained between 40% and 70%.

BATHROOMS

When the LVT planks are installed in a bathroom, the flooring can be laid under the toilet only if the floor is separated from adjacent rooms with a doorway threshold. Otherwise the flooring should be installed around the toilet leaving a 1/8" expansion space. Use a high quality silicone caulking to fill the expansion space at the tub, shower and all wet areas to prevent surface water seepage under the floor.

STAIRS

Perfecto Vinyl Flooring planks can be installed fully adhered over steps using a high quality pressure sensitive luxury vinyl tile adhesive such as Franklin® 687. Follow the instructions on the adhesive for trowel size and drying time. Always use a flush stair nose molding to finish each step at the nose.

FLOOR CARE

- Frequently moved furniture should be equipped with felt pads to avoid scratching the floor. Heavy furniture and appliances should be equipped with non-staining large surface floor protectors. Furniture with castors or wheels must be easy swiveling, large surface non-staining and suitable for resilient floors. Do not use ball type castors as they can damage the floor.
- Avoid exposure to long periods of direct sunlight. Close blinds or drapes during peak sunlight hours
- Use walk off mats at entrances to prevent dirt and grit from being tracked on to the floor.
- Sweep or vacuum the floor regularly to remove loose dirt. Avoid using a vacuum with a beater bar.
- Clean up spills immediately.
- Damp mop as needed using clean water and a diluted vinyl floor cleaner. Do not use harsh cleaners or chemicals on the floor.