# UGen Floors

## UGen Floors 4.2mm CLICK VINYL FLOORING INSTALLATION

## **Tools Required:**

- Utility knife
- Straight Edge
- Tape Measure
- Spacers

Do not use foam underlayment under **UGen Floors** vinyl floor.

## Prior To Installation:

- Carefully check flooring material for any defects. Contact your supplier immediately if any defect is found.
- Room temperature shall be no less than 65° F (18° C) for 24 hours before, during and after installation.
- Remove quarter round, baseboard molding and cove base.
- Undercut doorway moldings the thickness of the flooring.
- Cartons must be stored horizontally at all times.
- Protect carton corners from damage.

## Wood Substrates:

Wood floors must be double construction with a minimum thickness of 1", free from spring / deflection. Top layer of plywood shall be ¼" minimum thickness underlayment grade plywood. **UGen Floors** recommended underlayment includes APA Underlayment Grade Plywood A-C, B-C or C-C Plugged, ACCU-PLY, SurePly, TECPLY, ULAY, C.S.A. (CanPly) and Proboard.

## **Concrete Substrates:**

**UGen Floors** vinyl floors may be installed on grade, above grade or below grade concrete subfloors. Concrete floors shall be constructed in accordance with the American Concrete Institute (ACI) 302.1 Guide for Concrete Floor and Slab Construction. 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. Moisture vapor transmission shall not exceed 3 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 75%. **UGen Floors** vinyl Floor may be installed over gypsum based underlayments.



## **Existing Flooring:**

**UGen Floors** vinyl floor may be installed over most smooth, single layer, hard surface existing flooring. Check flooring for any curled areas around the perimeter or at seems and repair if necessary. Use of a good quality cementitious based embossing leveler to smooth and fill the existing floor.

## Warning:

Do not sand, dry sweep, dry scrape, drill, saw, beadblast or mechanically chip or pulverize 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 product is non-asbestos containing material, you must presume it contains asbestos. Regulations may require that the material be tested to determine asbestos content.

## Substrate Preparation:

- All substrates must be dry, clean, smooth, level and free from all existing adhesive residues, and free from movement or delection.
- The substrate must be level within 3/16" in 10 ft. (4.7mm in 3m).
- Fill and level all plywood seams and concrete cracks, construction joints, depressions, grooves, or other irregularities. Use a latex fortified, cementitious patching compound.
- Sweep and/or vacuum substrate to remove all dust and debris.

## **Getting Started:**

- 1. **UGen Floors** vinyl floor is a floating floor and should not be glued or nailed to the substrate.
- 2. **UGen Floors** vinyl floor is intended for indoor use only.
- 3. Determine in 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.
- 4. Do not install cabinets on planks.
- 5. Carefully measure the room to determine square-ness and also 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 the first row of planks will have to be cut accordingly.
- 6. A Minimum of 5/16" (8.2mm) expansion space is required around the perimeter of the room and all vertical objects.



7. Inspect all planks for visible defects and damage before and during installation. Do not install damaged planks. UGen Floors 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:

- 1. Begin laying planks from the left side of the starting wall and work to the right side. The tongue side of the plank shall face the starting wall.
- 2. 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.
- 3. 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 angle. Gradually lower the plank down last until the end joint closes, insuring that the planks are perfectly aligned. Install remaining full planks in the first row.
- 4. The last plank in the first row will 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), the length of first plank in the row must be cut. This will allow for a longer plank at the end of the row. The first and last plank in each row must be at least 8" (20.3cm) in length. Planks are cut using a sharp utility Knife and straight edge/carpenters square. Score the surface of the plank with a utility knife, and then snap the plank at the score line.
- 5. 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).
- 6. Install the long side of the first plank of the second row. Remember to place a 5/16" (8.2mm) 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 a lower flat to the substrate.
- 7. Install the second plank in the second. 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 up and gently push forward 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 as they can affect the entire installation.
- 8. Continue working from left to right, row by row. Be sure to maintain a 5/16" space around all walls and vertical objects and maintain a random appearance. Offset end joints a minimum of 8" (20.3cm).



## 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.
- Predrill and install quarter round to baseboard molding. Molding must be sufficient size to cover the 5/16" (8.2mm) space. Do not fasten moldings through the flooring. Fasten to the wall.
- 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° F and 100° F. Relative humidity must be maintained between 40% and 70%.