

Glue-Down Installation

Mannington Hardwood Floors

Glue-Down Installation Requirements & Procedures

The Mannington glue-down system makes installation smooth and easy. Wood planks are glued to the subfloor using urethane-based Mannington UltraSpread Mastic™ adhesive and a minimum $\frac{3}{16}$ " x $\frac{5}{32}$ " V-Notched trowel. This moisture-cured polyurethane adhesive forms a tenacious bond, and in high-humidity conditions open time will shorten in length. The adhesive is VOC-compliant, nonflammable, contains 0% water, and has a very mild odor. Additionally, the adhesive's curing time is similar to that of standard chlorinated solvents. You may install Mannington engineered hardwood floors over concrete subfloors when you are using Mannington UltraSpread Mastic if the subfloor is visually dry and has no history of moisture problems.



NOTE: Do not install Mannington Hardwood Floors over perimeter-installed resilient flooring.

Special Tools

- Mannington UltraSpread Mastic
- Mannington PROTVNX Trowel
 $\frac{3}{16}$ " x $\frac{5}{32}$ " V-Notched (minimum)
- 3M 2090 Long Mask Tape
- Tapping Block SKU# TPBK009X
- 100-lb Roller



Job Preparation & Installation

Before installation, do a calculation to determine the width of the last row of planks. If it is less than $1\frac{1}{2}$ " wide, split the difference between the starter row and the last row. In any case, you will most likely be required to cut the last row of planks to width with a table saw equipped with a plywood cutting blade.



Select a starter wall. An outside wall is best because it's more likely to be straight and square with the room. Measure out from this wall, at each end, the width of two planks.

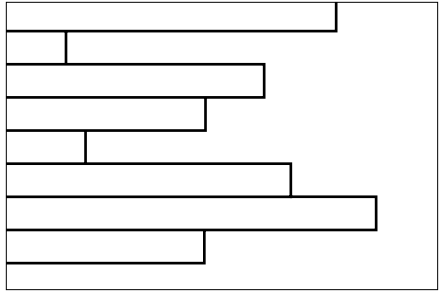


Snap a chalk line from these points, parallel to that wall and perpendicular to the adjacent walls. Since most walls are not straight, the edge of some planks may have to be trimmed along the wall or cut to fit. (It is not necessary to leave an expansion space for Mannington $\frac{9}{16}$ ", $\frac{1}{2}$ ", and $\frac{3}{8}$ " thick planks.)



“Racking” the Floor

This process is essential to achieve a random appearance. Start by either using random length planks found in the carton or by cutting four to five planks in random lengths, differing by at least 6". When starting these first few rows or courses, make certain to always measure from the tongue end of the plank when cutting. As you



continue working across the floor be sure to maintain the 6" minimum between end joints on all adjacent rows. Randomly install different lengths to avoid a patterned appearance. Never waste materials; the ends cut from starter rows should be used at the opposite side of the room to complete rows or used to start the next row.



NOTE: As stated earlier, it is extremely important to blend planks from several cartons to ensure a good balance of color, graining, and plank length.

Spread Mannington UltraSpread Mastic from the chalk line out to the width of two planks with a minimum $\frac{3}{16}$ " x $\frac{5}{32}$ " V-Notched trowel. You may start laying planks immediately into wet adhesive; however, for optimum performance Mannington recommends allowing the adhesive to set for 30 minutes.



Install the first row of starter planks and secure into position with the tongue facing the starter wall. **Proper alignment is critical.** Misaligned starter rows can ruin the entire installation. Professional installers sometimes firmly secure a straightedge along the chalk line (two-by-fours work well) as a guide and it also helps to prevent planks from shifting in the wet adhesive. Or, top nail the first row with finishing nails (wood subfloor) or sprig/pin nails (concrete subfloor).



The precise engineering of our UltraFit™ tongue-and-groove system creates a very stable floor. But you **MUST** make a good connection. Use a tapping block to tap the planks together until the tongue-and-groove “snaps” into place.



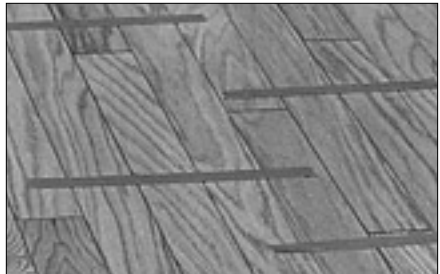
When the first two starter rows are secure, spread 2½ to 3' of adhesive across the length of the room. (Never lay more adhesive than can be covered in approximately 3 hours. If the adhesive has set and will not transfer to the back of the plank, scrape up the adhesive and apply fresh UltraSpread Mastic adhesive.)



Place planks into position on top of adhesive and tap into place with a tapping block. Avoid clustering the end joints. Stagger random lengths so that end joints are no closer than 6”.



After several rows of planks are down, lay perpendicular strips of 3M 2090 Long Mask “Blue” tape 12” apart to hold the planks securely. Repeat this process as the installation progresses.



When you have finished installing planks across the work area, go back to the beginning of the installation and remove straightedges. Spread adhesive onto exposed subfloor and use a pry bar to position the final two rows into place. Be aware that you will have to remove the tongue from the last row to complete the installation.

Retain a few leftover planks in case a repair is ever required. Clean any adhesive with mineral spirits and Ultra-Clean spray cleanser. Roll floor with a 100-lb roller. Peel up blue tape 24 hours after installation.



Cleanup

Clean UltraSpread Mastic adhesive from floor and tools with mineral spirits while still wet. Once it dries, it's very difficult to remove. If it dries on the floor's finish, follow this procedure:

Carefully scrape off excess adhesive with a plastic scraper. Take care not to scratch the floor's finish. Sweep floor to remove all dust and dirt.



Remove residue using a white 3M pad dampened with mineral spirits. Follow up with Mannington UltraClean spray cleanser.



Final Inspection

After the floor is rolled and cleaned, inspect the floor for nicks, scratches, and planks that may have moved during installation, as well as any other imperfections that need attention. Touch up nicks and scratches with Mannington Hardwood Floors touch-up products. In typical climates, the new floor can accept foot traffic within 12 hours. Arid (dry) climates may require more curing time.

Floor Protection During Construction

Always protect the surface of installed flooring during construction by laying a quality felt paper over the floor and taping it to the baseboards. Never use plastic or polyethylene sheeting to cover the floor since they trap moisture. The covering material must allow the floor to breathe.