

INTRODUCTION

These instructions address the installation of Mannington ConnectStep (Type TS) stair tread and riser combination stair tread.

Mannington ConnectStep stair tread and riser combination is available in widths ranging from 48" (1.2m) to 72" (1.83m) in width. In terms of stair tread depth, the Mannington ConnectStep features a grooved area on the back of the tread. This allows for extra flexibility so the Mannington ConnectStep can conform to a variety of stair tread depths and various riser heights. Installation time savings and the elimination of a seam at the point the riser meets the step are this products advantages.

TOP STEP OR LANDING TREATMENT

Mannington does not recommend the installation of a stair tread on the top step (that is; on the landing). Pattern registration between the tile and tread is difficult. Thickness differences between the tile and tread also makes the installation difficult. Mannington recommends using Mannington stair nosing for the top step and covering the rest of the landing with Mannington rubber floor tile.

BEFORE INSTALLING MANNINGTON CONNECTSTEP™ TREADS

Prior to installation, Mannington flooring products and adhesives must be conditioned to an ambient temperature at the actual job site of not less than 65° F (18.3 C) nor more than 85° F (29.5 C) for at least 48 hours. Step surface temperature should be between 63° F (17.2 C) and 72° F (22.2 C) during installation and curing time.

All STEPS – Must be dry, clean and free of dust, plaster, drywall compound, paints, oil, grease, old coverings, old adhesives and any other foreign matter. Wooden steps must be firmly nailed and sanded flat.

Cement stairs should be leveled and all irregularities in the steps must be repaired with a cement based leveling compound with a compressive strength of at least 3,000 psi. Repair worn or uneven edges. Sand painted stair pan noses down to the metal for best adhesion.

Note: Mannington highly recommends the use of Wheaton Jigs' Stair Wizard for the measurement and cutting of Mannington stair treads. It provides significant time savings and improvements in cutting accuracy. For more information, call 707-829-1180.

INSTALLATION

Mannington stair treads are stocked in 48" (1.2m), 60" (1.5m) and 72" (1.83m) lengths (available on a special order basis in 6" (0.15m) increments from 42" (1.1m) to 72" (1.83m)). The back edge of the tread and edges of both ends of the treads have rough selvage edges from the factory. Each tread must be cut on both ends and fit against the stringers to assure a proper fit.

DO NOT pre-cut a quantity of treads with the assumption that all step dimensions are the same. Each step is slightly different and each tread must be custom fit on the job. Allow a 1/16" (1.6mm) on each side to allow for slight expansion of the Mannington ConnectStep against the stringer. Too tight a fit may result in the front edge of the nose becoming wavy and buckling over time.

The depth of the tread / riser combination must be cut in as well. On Mannington ConnectStep stairs treads, the riser portion of the unit must be cut so, 1) the nose of the tread fits the step, 2) the grooved area on the back of the tread mates snugly at the intersection of the step and riser and 3) the top edge of the riser is even with the top of the nose of the next step. Make sure the tread nosing now dry fits tightly against the step nose and riser. The sides of the tread should be trimmed, leaving a slight gap of 1/16" on either side allowing for expansion. Undercutting these side cuts helps lay the treads in more smoothly.

A. No sanding is needed on the back of Mannington stair treads. They are already sanded. The only sanding that is required is on the front surface of the rubber riser in cases when the stair tread lip overlaps and is adhered to the rubber riser. Scribe the overlapping stair tread nose to the rubber riser while dry fitting. Then sand the rubber riser to the scribed line for proper adhesion.

Note: When installing the tread / riser combination part, you must install cove stick in the 90-degree junction area, where the tread ends and the riser begins. This will work as a support for the bend at that junction, where the tread bends up to become the riser.

**INSTALLATION
continued**

B. Mannington MR-911 stair tread adhesive. Mannington MR-911 is for tread and riser only. Use Mannington MR-721 for rubber tile on landings. As Mannington MR-911 is a water based adhesive, drying ventilation is essential either by natural air, forced air or heated air.

1. Mixing: Stir well, do not dilute. The average yield from a gallon will be approximately 125 sq. ft. of bonded stair treads.
2. Apply adhesive to the subfloor with a trowel. Be sure to apply sufficient adhesive to the step riser. This will eliminate any waviness of the tread's lip after installation.
3. Beginning of installation means acceptance of surface and conditions.
4. Dry cut and fit treads prior to applying adhesive.
5. Spread adhesive onto the step surface using a 1/16" x 1/16" x 1/16" square shaped notched trowel.
6. Place tread into the adhesive in 10 to 15 minutes.
7. Drying time of the adhesive is 30 minutes and working time is 10 to 15 minutes. These times will vary depending on surface porosity, conditions and adhesive film thickness.
8. Prohibit traffic for at least 12 hours.
9. Remove excess adhesive from the tread surface when wet using a water dampened cloth.

**INSTALLATION USING
MANNINGTON
DOUBLE-SIDED
ADHESIVE TAPE**

Mannington Double-Sided Adhesive Tape is a high strength, reinforced, double-sided adhesive tape system designed to minimize installation expense and to allow immediate foot traffic in areas that cannot be closed. It also eliminates the need to install during premium shift times due to adhesive odor related considerations.

Mannington Double-Sided Adhesive Tape is supplied in rolls. The tape is 6" wide by 64' long. The 6" width accommodates both Mannington's two piece and single piece ConnectStep tread and riser combination.

Cut the Mannington Double-Sided Adhesive Tape to the length needed.

1. Apply adhesive side of tape directly to the properly prepared step. Leave the protective covering on the tape. Two 6" wide pieces should be adequate. Overlap tape in cases where the step depth is shallow. If two pieces of tape are not adequate to cover the whole area of the step, a gap between the two pieces of tape is allowed. It is important that the front edge of the tape is close to the nose of the step and the back edge of the tape should be close to the riser. Be sure to leave the paper cover on the top of the tape as you press it in place to assure a good bond to the step.
2. Apply the adhesive side of the tape to the riser in the same manner. Overlap the tape on the step if necessary. A gap at the top of the riser is allowed. Be sure to leave the paper cover on the top of the tape as you press it in place to assure a good bond to the step or use a hand roller or "J" roller..
3. Press the Mannington Double-Sided Adhesive Tape firmly into place with your hand.
4. Remove the paper from Mannington Double-Sided Adhesive Tape that has been applied to the front of the step.
5. Fit the nosing of the stair tread material TIGHT to the nosing of the step. Tap the rubber nosing into place using a rubber mallet.
6. Rub the remainder of the step tread into place with your hand to get bond or use a hand roller or "J" roller.. This will prevent any movement of the stair tread.
7. Remove the paper from the back of the tread riser. Do not allow the material to touch the step.
8. To prevent the Mannington Double-Sided Adhesive Tape from sticking to your fingers, use a piece of wax paper or a piece of the protective tape covering to hold the stair tread and work the stair tread back to the riser.

INSTALLATION USING MANNINGTON DOUBLE-SIDED ADHESIVE TAPE continued

9. Use a pressure roller to fit the step tread tight to the riser.
10. Rub the riser portion of the step tread into place with your hand or use a hand roller or "J" roller.
11. Roll the entire step tread with a hand roller or "J" roller.

NOTE: The stair tread can be removed again as long as it is only placed into position without being pressed down into the Mannington double faced tape. MANNINGTON DOUBLE-SIDED ADHESIVE TAPE IS NOT TO BE USED TO INSTALL LANDING TILE.

INSTALLATION USING GENERIC CONTACT ADHESIVE

NOTE: Mannington does not supply contact adhesive. Check with contact adhesive manufacturer for specific warranties regarding compatibility and installation instructions and warranties.

The following are general guidelines only.

1. Apply the contact adhesive to the step and the back of the stair tread with a medium nap paint roller. APPLY IN A UNIFORM EVEN COAT. IMPORTANT!! The vertical stair nosing part of the step tread is not adhered. EXCEPTION: For strongly undercut steps, it is necessary to adhere the front of the nosing. In this case, the inside of the nosing and the respective part of the riser have to be roughened with sandpaper.
2. The grooves at the transition from the tread to the riser must not be filled with adhesive. Use the paint roller to apply the adhesive in this area.
3. The applied adhesive should be allowed to dry 10 to 30 minutes (dry to touch). Drying time will depend on temperature and humidity. Drying time is to allow solvent gases to escape. If contact is made too soon, the gases can cause the material to bubble.

NOTE: Contact adhesive has instant adhesion. To prevent placing the step tread in the wrong location, do the following.

4. Cut a piece of wax paper the length of the stair.
5. Crease the wax paper at a 90° angle.
6. Place the wax paper on the riser and on the step. The wax paper will not stick to the adhesive.
7. Holding the back of the top tread up, fit the nosing of the material tight to the nosing of the stair.
8. Tap into place with a rubber mallet.
9. Rub the remainder of the stair tread into the adhesive not covered with the wax paper.
10. Remove the wax paper, holding the back of the stair tread up.
11. Before placing the riser portion into the adhesive, use a pressure roller to press the material firmly against the stair and riser.
12. Place the riser portion into the adhesive.
13. Roll the entire step tread with a seam roller.
14. Cut the extending part of the riser off even with the step.
15. Excess adhesive can be cleaned off using Rubbing Alcohol (Isopropyl).

CAUTION: The 72" ConnectStep tread, in particular, must not be bent or folded during fitting so the vertical nosing will not be overstretched and become wavy. This means that two (2) installers are required for installing the tread.

Final Application Follow Up

1. Check the adhesive bond over all surfaces.
2. Protect the installed step treads after installation from sun and moisture for 1-2 days.