

**ATTENTION:** Always refer to the most current technical information available at [www.lonseal.com](http://www.lonseal.com), and review completely prior to starting the job. Lonseal reserves the right to change its products' design and material, or to improve products or processes at any time without notice. Installation procedures and use of Lonseal products must be in strict accordance with Lonseal's technical documentation for warranty terms to be valid.

**RELATED TECHNICAL DATA SHEETS:**

- ▶ #400 Contact Adhesive
- ▶ #813 Sheet Vinyl Adhesive
- ▶ Lontape

**APPLICATION:**

1. Prepare the approved substrate as detailed in the Interior Flooring Manual and ensure all products have been properly acclimated prior to installation.
2. It is recommended to install each step individually, by starting on the tread and then going up the riser. Plan the layout accordingly to match up patterns evenly over the length of the stairway. If attempting to install multiple stairs at one time, refer to **Notes** below for more information.
3. Cut the flooring so that the piece will cover the entire tread and riser above. Some flooring may require the backing layer be grooved to allow for an easier transition from horizontal to vertical. If grooving the backing layer, never groove deeper than half the thickness of the flooring. By installing this way, the exposed edges of the flooring will be at the stair nosing, where it can be protected with stair nosing trim.
4. Apply a full spread of the #400 to the back of the flooring and the substrate using a 3/8 in. (9.5 mm) nap roller or paint brush. The #813 may be used as an alternative to the #400, applying it the same way.
5. After allowing for sufficient open time, place the flooring onto the substrate. The #400 should still be slightly wet. Do not allow the #400 to dry, as this will result in a poor bond. The #813 should be almost clear on both surfaces.
6. Roll both tread and riser with a hand roller to ensure strong, positive contact with the adhesive. Note that the #400 results in an instant bond and should not be disturbed after rolling.
7. Install the stair nosing trim per the manufacturer's recommendations. The nosing used must be non-rubber and compatible with sheet vinyl (e.g. vinyl or aluminum). Any exposed edges at the sides of the stairs, as with an open stringer, should be protected with additional trim that is compatible with vinyl. Avoid using mechanical methods to attach any trim that may puncture the flooring. See **Notes** below for more information.
8. Allow no foot traffic for 24 hours after the flooring installation.
9. Perform initial maintenance 48 hours after the flooring installation.
10. After 72 hours the adhesives will be fully cured.

**NOTES:**

- A. Lonseal's recommendation to install each step individually is based on ease of installation. It is possible to install multiple stairs with one sheet, but this will take additional skill and planning. For this method, the application will be similar to the instructions noted above. In addition, grooving may also be necessary at the stair nosing to make that transition easier.
- B. While most of Lonseal's flooring is very pliable, a heat gun on a low setting may be used to further soften the material. Determine the optimal heat setting on scrap material to avoid unintentional damage to the flooring during installation.
- C. Lontape may be used as an alternative to the #400 or #813. Follow the application instructions as noted in the Lontape Technical Data Sheet.
- D. Lonseal's Fitness Flooring products and Lonsafe are not intended for stair installations.
- E. For attaching trim, use an adhesive that is compatible with the surface of the sheet vinyl. Use caution with cartridge type construction adhesives, as some may cause discoloration in the flooring. Adhesives should be tested on scrap material first to verify compatibility and a strong bond. If mechanical attachments are the only option, consider embedding the trim in a urethane caulk to minimize any chance of moisture intrusion where the flooring is punctured. Lonseal recommends using Lexel® Clear Sealant.
- F. Installing on individual stairs where the flooring meets at the bottom of the riser, is also possible, but additional steps are necessary to protect the seam. Heat welding may be possible for some flooring, but skiving will be difficult and requires more specialized tools. Use of an "L" angle is another option, but it will need to be fastened to the flooring's surface following the same method as noted above.