

**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:**

- ▶ #650 Two-Component, Solvent-Free Epoxy Adhesive
- ▶ #813 Sheet Vinyl Adhesive
- ▶ Welding Thread

**ADDITIONAL MATERIAL REQUIRED:**

- ▶ Lexel® Clear Sealant\*

\*This item is available from Lonseal (Product #ZCAULK), and all technical information may be found at <http://www.sascho.com/products/lexel/>.

**APPLICATION (WITH LONSAFE):**

1. Prepare the approved substrate as detailed in the Interior Flooring Manual and ensure all products have been properly acclimated prior to installation. Lonsafe must not be installed over an existing floor covering. All existing floor coverings must be removed in their entirety. Lonsafe is not intended for use with Lonseal's Fitness Flooring or any other foam-backed product.
2. When planning the layout, Lonsafe is meant to be installed perpendicular to the flooring, with no end joints or seams within 24 in. (61.0 cm) of one another. Lonsafe is the only Lonseal sheet product intended to be installed with reversed sheets, and all seams must be double-cut. Lonsafe is installed with the printed side down.
3. Prior to starting the installation, make note that the required adhesives have differing open times. In addition, the #650 will only be applied in a 12 in. (30.5 cm) wide band around the perimeter of the installation, with a full spread of the #813 in the field. This adhesive pattern must be used between the Lonsafe and the substrate, and the flooring and the Lonsafe.
4. Apply both adhesives using a 1/16 x 1/32 x 1/32 in. (1.6 x 0.8 x 0.8 mm) U-notch trowel.
5. After allowing for sufficient open time, place the Lonsafe into the adhesive. Force any trapped air out using the Lonsafe's cardboard core or a push broom, and then roll in both directions with a minimum 100 lb. (45.4 kg), three-section roller. Roll again 2 to 3 hours later.
6. Leave the Lonsafe seams untreated.
7. The adhesives must be allowed to cure for 24 hours after the Lonsafe installation before proceeding. Allow no foot traffic during this time.
8. After a minimum of 24 hours has elapsed, installation may continue. Apply the #650 using the same size trowel as before, but apply the #813 to the top of the Lonsafe and the back of the flooring with a 1/4 in. (6.4 mm) nap roller. The #813 should be applied in a uniform layer to both surfaces.
9. Allow the #813 to become almost clear before placing the flooring. Be sure not to apply the #650 too early, since it is a wet-set adhesive, and its bond will be weaker if the open time exceeds the recommendation.
10. Place the flooring and roll in both directions with a minimum 100 lb. (45.4 kg), three-section roller, checking for full adhesive transfer from the substrate to the back of the flooring. Roll again 2 to 3 hours later.
11. Heat weld all seams 24 hours after installation. Chemical welding is not an option, nor is heat welding any seam prior to that time.
12. Seal the perimeter of the installation with Lexel® anywhere the flooring meets the wall or other vertical surfaces.
13. Allow no foot traffic for 24 hours after the flooring installation.
14. Perform initial maintenance 48 hours after the flooring installation.
15. After 72 hours the adhesives will be fully cured.

**APPLICATION (WITHOUT LONSAFE):**

1. Prepare the approved substrate as detailed in the Interior Flooring Manual and ensure all products have been properly acclimated prior to installation. Lonseal's Fitness Flooring (Loncourt I, Loncourt UV, Lonwood Performa, and Lonwood with Foam) must not be installed over an existing floor covering. When using this type of flooring, all existing floor coverings must be removed in their entirety.
2. Apply a full spread of the #813 using the appropriate trowel size. Most flooring will use a 1/16 x 1/32 x 1/32 in. (1.6 x 0.8 x 0.8 mm) U-notch trowel, but Lonseal's Fitness Flooring requires the use of a 1/16 x 1/16 x 1/16 in. (1.6 x 1.6 x 1.6 mm) square notch trowel.
3. After allowing for sufficient open time, place the flooring into the adhesive, and roll in both directions with a minimum 100 lb. (45.4 kg), three-section roller, checking for full adhesive transfer from the substrate to the back of the flooring.
4. Heat weld all seams 24 hours after installation. Chemical welding is not an option, nor is heat welding any seam prior to that time.
5. Seal the perimeter of the installation with Lexel® anywhere the flooring meets the wall or other vertical surfaces.
6. Allow no foot traffic for 24 hours after installation.
7. Perform initial maintenance 48 hours after installation.
8. After 72 hours the adhesives will be fully cured.

**NOTES:**

- A. Hot yoga studios using Lonseal flooring and sundries must never exceed an air temperature of 105 °F (40.6 °C) or a substrate temperature of 85 °F (29.4 °C). Adhesive or floor failure could occur if these maximum temperatures are exceeded.
- B. Lonsafe seams will telegraph. Their appearance can be minimized by ensuring the seams are as tight as possible, but some telegraphing will always be evident. Ensuring the adjacent Lonsafe sheets are reversed will also help minimize telegraphing.
- C. Lonsafe is not intended for locations with any type point loading. Point loading could lead to permanent indentation of the foam underlayment, and in some cases seam failure. Lonsafe should only be used in areas with foot traffic.
- D. The installation of Lonsafe is considered a "double install", which will require additional time to complete. This should be taken into consideration when planning the job, so all parties are aware. Just the Lonsafe and flooring installation will require a minimum of 4 full days (96 hours) to complete. This does not include any additional time required for demolition, moisture testing, subfloor preparation, etc.
- E. Installations using Lonsafe, Lonwood Performa, or Lonwood with Foam may be flash coved, but will require additional instructions. Please contact Lonseal's Technical Department for more information. Lonseal's Loncourt products are not intended be flash coved.
- F. Ensure all seams are properly heat welded. Always check the integrity of the weld by tugging on the welding thread prior to trimming or skiving. The welding thread should break before it pulls away from the seam. A poor heat weld can allow the high heat and humidity of the hot yoga environment to penetrate the seam and affect the adhesive. Problems such as seam failure and bubbling can then occur.
- G. Use of the hot yoga studio prior to the adhesives fully curing is not recommended, and can lead to a failure of the flooring system. This includes testing of the room or radiant heating systems prior to full cure.
- H. The use of Lonseal adhesives for these types of installations is highly recommended, since they have been tested under the extreme conditions of a hot yoga studio. If choosing to use an alternate adhesive, verify with the adhesive manufacturer if their product is suitable for use in this setting. If using any alternate adhesives, the use of an epoxy adhesive at the perimeter of a Lonsafe installation is still recommended for this setting. Lonseal is not responsible for any adhesive issues related to non-Lonseal brand adhesives.
- I. When using wheels, mats, or other items that will be in direct contact with the flooring, they must be non-rubber and non-staining. Failure to do so could result in damage to the flooring, including permanent staining or discoloration. Contact the manufacturer of the item to confirm its compatibility with sheet vinyl prior to its use.