

ATTENTION: Always refer to the **Technical Manual for Interior Flooring Products** and corresponding **Technical Data Sheets** for complete installation information prior to starting the job. Lonseal reserves the right to change our products' design, material, and/or to improve products or processes at any time without notice. Installation procedures and use of Lonseal adhesives must be in strict accordance with Lonseal's technical documents for warranty terms to be valid. **Please review the website for the most current technical information.**

RELATED TECHNICAL DATA SHEETS:

- ▶ #650 Two-Component, Solvent-Free Epoxy Adhesive
- ▶ Premium Bond #755 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.sashco.com/products/lexel/>.

APPLICATION (WITH LONSAFE):

1. Ensure the substrate is prepared per the **Technical Manual for Interior Flooring Products**, and that all materials have been properly acclimated. Lonseal does not recommend installing Lonsafe over existing floor coverings. All existing floor coverings must be removed in their entirety.
2. When planning the layout, note that Lonsafe is to be installed perpendicular to the flooring, and no end joints or seams should be within 24" (61.0 cm) of one another.
3. Lonsafe sheets are to be reversed to create a level underlayment surface, and all seams are to be double-cut.
4. Lonsafe is to be installed with the printed side down.
5. Note that a 12" (30.5 cm) band of #650 should be placed at the perimeter of the installation, beneath both the Lonsafe and the flooring. The #755 will be used in the field.
6. Perform a bond test with the Lonsafe for the adhesives used. This will not only test the bond strength of the underlayment and adhesives, but will also help to give a general idea of the open time needed for the adhesives, as they differ.
7. Apply the adhesives using a 1/16" x 1/32" x 1/32" U-notch trowel.
8. After placing the Lonsafe into the adhesives, force any trapped air out using the roll's core or push broom, then roll in both directions with a minimum 75 lb., three-section roller, checking for full adhesive transfer from the substrate to the back of the flooring. Roll again 2 to 3 hours later.
9. Lonsafe seams do not require sealing.
10. The adhesives must cure for a full 24 hours after installation before proceeding. Allow no foot traffic during this time.
11. After a minimum of 24 hours has elapsed, the flooring installation may be performed. While the #650 epoxy will be troweled as before, the #755 will use a 3/8" nap roller, since the Lonsafe is considered a non-porous surface. The #755 should be applied in a uniform layer to both the Lonsafe and the back side of the flooring.
12. Allow the color of the #755 to become almost clear before placing the flooring into the adhesive. Be sure not to apply the #650 too early, since it is a wet-set adhesive, and the bond will be weaker if the open time exceeds the recommendation.
13. After placing the flooring, roll it in both directions with a minimum 75 lb., three-section roller, checking for full adhesive transfer from the substrate to the back of the flooring. Roll again 2 to 3 hours later.
14. Heat weld all seams 24 hours after the flooring installation. Chemical welding is not an option, nor is heat welding any seam prior to that time.
15. Seal the perimeter of the installation (i.e. where the flooring and wall meet) with Lexel® Clear Sealant.
16. Allow no foot traffic for a period of 24 hours after the flooring installation.
17. Perform initial maintenance 48 hours after flooring installation.
18. After 72 hours, the adhesives will be fully cured.

APPLICATION (WITH LONWOOD PERFORMA):

1. Ensure the substrate is prepared per the **Technical Manual for Interior Flooring Products**, and that all materials have been properly acclimated. Lonseal does not recommend installing Lonwood Performa over existing floor coverings. All existing floor coverings must be removed in their entirety.
2. Perform a bond test for the #755. This will not only test the bond strength of the underlayment and adhesive, but will also help to give a general idea of the open time needed.
3. Apply #755 using a 1/16" square notch trowel, and allow for adequate open time.
4. After placing the flooring into the adhesive, roll in both directions with a minimum 75 lb., three-section roller, checking for full adhesive transfer from the substrate to the back of the flooring.
5. Heat weld all seams 24 hours after installation. Chemical welding is not an option, nor is heat welding any seam prior to that time.
6. Seal the perimeter of the installation (i.e. where the flooring and wall meet) with Lexel® Clear Sealant.
7. Allow no foot traffic for a period of 24 hours after installation.
8. Perform initial maintenance 48 hours after installation.
9. After 72 hours, the adhesive will be fully cured.

NOTES:

- ▶ Maximum air temperature should never exceed 105 °F (40.6 °C). While the substrate temperature should never exceed 85 °F (29.4 °C). Adhesive or floor failure can occur if these maximum temperatures are exceeded.
- ▶ Lonsafe must only be installed beneath non-foam backed Lonseal flooring.
- ▶ The installation of Lonsafe is considered a “double install” which requires additional time to complete. This should be accounted for when planning the job, so that all involved parties are aware. To install per our recommendations, it should take a minimum of four, full days (96 hours) just for Lonseal products. This does not include the additional time required for any floor demolition, moisture testing, floor preparation, etc.
- ▶ Lonsafe seams will telegraph. This can be minimized by ensuring the Lonsafe seams are as tight as possible, but some telegraphing will still be evident.
- ▶ Do not install Lonsafe in areas with any type of point loading; doing so can lead to permanent indentations and possible seam failure.
- ▶ Ensure all seams are properly heat welded. Always check the strength of the bond between the welding thread and the flooring by tugging on the welding thread prior to trimming and skiving. The welding thread should break before it pulls away from the seam. A poor heat weld can allow the high heat of the hot yoga environment to force its way into the seam and beneath the flooring, affecting the adhesive. Problems such as bubbling and seam failure can then occur.
- ▶ Use of the installation area prior to the adhesives fully curing is not recommended, and can lead to a failure of the flooring system. This includes any testing of the room or radiant heating systems.
- ▶ Due to the thickness of Lonwood Performa, flash coving is not recommended.