

ATTENTION: Always refer to the most current technical information available at 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
- ▶ #650 Two-Component, Solvent-Free Epoxy Adhesive
- ▶ #813 Sheet Vinyl Adhesive
- ▶ Double Face Tape (DFT)
- ▶ Welding Thread

APPLICATION (INDIVIDUAL PANELS):

1. Prepare the approved substrate as detailed in the **Interior Flooring Manual** and ensure all products have been properly acclimated prior to installation.
2. Cut the flooring to the size of the panels. Consider making the cuts oversized to allow for any dimensional changes. The flooring can then be cut to the final size after the adhesive has cured. See **Notes** below for more information.
3. Apply a full spread of the adhesive. If using the #400, apply it to the back of the flooring and the panel using a 3/8 in. (9.5 mm) nap roller or paint brush. If using the #650, apply it using a 1/16 x 1/32 x 1/32 in. (1.6 x 0.8 x 0.8 mm) U-notch trowel to the substrate only. Use of the #813 on panels is not recommended.
4. After allowing for sufficient open time, place the flooring onto the panel. The #400 should still be slightly wet. Do not allow the #400 to dry, as this will result in a poor bond. The #650 is a wet-set adhesive and allowing too much open time will reduce its bond strength.
5. Roll the flooring using a minimum 100 lb. (45.4 kg), three-section roller. Roll the floor again 2 to 3 hours later. If a large roller cannot be used based on the panel size or installation location, a three-section laminate roller could be used with the installer putting enough weight behind it to ensure strong, positive contact. The #400 results in an instant bond and should not be disturbed after rolling. When installing on multiple panels, place them in a horizontal stack face-to-face until the adhesive has cured.
6. The adhesive will be fully cured 72 hours after installation.
7. Once cured, perform initial maintenance. This may be done before or after the panels have been placed.

APPLICATION (AS FULL SHEETS):

1. Cover the entire raised panel system with plywood underlayment panels that are a minimum 1/2 in. (12.7 mm) thick, and fasten at standard intervals with compatible, countersunk screws. If the system is over a concrete subfloor, supply a 10 mil vapor retarder over the system prior to placing the underlayment panels.
2. Prepare the underlayment panels as detailed in the **Interior Flooring Manual** and ensure all products have been properly acclimated prior to installation.
3. Apply a full spread of the #650 or #813 using a 1/16 x 1/32 x 1/32 in. (1.6 x 0.8 x 0.8 mm) U-notch trowel.
4. After allowing for adequate open time, roll the flooring into the adhesive using 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 if the #650 was used.
5. Heat weld seams 24 hours after installation. The use of Lonsealer and DFT is only permitted in fully interior, environmentally controlled spaces where #813 has been used. Refer to the **Lonsealer** and **DFT Technical Data Sheets** for additional information on their proper use.
6. Perform initial maintenance 48 hours after installation.
7. After 72 hours the adhesive will be fully cured.

NOTES: While references to specific notes may be made throughout this document, all notes should be reviewed prior to beginning the installation, to ensure complete understanding.

- A. When cutting flooring to fit the installation location, be aware that sheet vinyl is subject to dimensional change. Lonseal accepts no responsibility for dimensional changes to its flooring that are cut into shapes or cut outside recommended environmental conditions. The amount of change will depend on the environment in which the flooring is cut versus the environment in which it is installed. Keeping the flooring acclimated in similar, if not the same, environments can help reduce or eliminate this natural occurrence, as can cutting the flooring slightly larger than needed and trimming to the correct size after installation. Optimal acclimation and installation conditions will be in a controlled environment between 65 – 85 °F (18.3 – 29.4 °C).
- B. Lonseal brand adhesives are intended to be used in a controlled environment to ensure they perform as intended. When not installing in a controlled environment, the adhesive may have different curing times. A bond test should be performed to determine how the adhesive will be affected by these types of installation conditions.
- C. Lontape may be used as an alternative to the adhesives noted under the "Panel" or "Permanent" type installations. Follow the application instructions as noted in the **Lontape Technical Data Sheet**. Heat welding may be performed the same day as installation and initial maintenance may be performed 12 hours after installation. If the permanent application permits the use of Lonsealer as noted above, no DFT is required.
- D. If using the floor to display products containing rubber or vehicles, do not allow direct contact with the flooring. Place a protective layer between the rubber or tires and the flooring to prevent staining from plasticizer migration, a normal occurrence when rubber comes into contact with vinyl. Lonseal recommends the use of clear, acrylic sheets, since they will still allow the flooring to be seen.