

**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:**

- ▶ Lontape (for permanent installations only)
- ▶ Welding Thread

**ADDITIONAL MATERIAL REQUIRED\*:**

- ▶ Joint Sealant\*
- ▶ Seam Tape\*
- ▶ Moisture Barrier\*
- ▶ Double Face Aircraft Tape\*
- ▶ Edge Sealant\*

\*Lonseal does not stock these items. Please contact your local distributor to purchase.

**APPLICATION:**

1. Acclimate the material to the installation location for a minimum of 48 hours prior to installation.
2. Loose lay the flooring in the aircraft, and make any relief cuts as necessary, making sure to leave extra width and length to be trimmed after installation.
3. Ensure the substrate (e.g. fiberglass, phenolic, or graphite floor board panels) is free of contaminants prior to installing any sealant, moisture barrier, or tape on the floor panels.
4. Apply a bead of joint sealant between floor panels, and allow the sealant to fully cure per the sealant manufacturer's recommendations.
5. Once the joint sealant is cured, apply seam tape centered on the seam, in order to fully protect the sealant. Smooth the tape against the floor panels to avoid air bubbles. Ensure the tape is wide enough to extend a minimum of 1.5" at either side of the seam.
6. Pre-fit the moisture barrier by laying down sections of the tape with both liners still in place. Keep the edge of the tape 1.5" from the edge of the floor panel. Where multiple sections of tape are needed, ensure they overlap by 4".
7. Once the sections have been fitted, remove the liner from the adhesive side of the tape, and adhere them to the panels. Then remove the liner from the non-adhesive side. Make sure to remove this second liner prior to overlapping any sections of the tape.
8. Apply a full spread of the double face aircraft tape to the moisture barrier, with no overlapping. For permanent installations, Lontape may be used. Full spread applications reduce the risk of buckling from rolling loads and dimensional changes due temperature fluctuations.
9. Remove the tape liner just prior to placing the flooring.
10. Place the flooring, making sure to align any embossed pattern at the center (see **Notes** below for additional information).
11. Roll in both directions using a minimum 75 lb., three-section roller. If unable to utilize a large roller due to the size of the aircraft or accessibility, a three-section laminate roller may be used. When using a smaller roller, the installer should put enough weight behind it to help ensure a good bond.
12. Trim the excess material to ensure a proper fit.
13. Heat weld any seams. Some products are too heavily embossed to be heat welded. Since these seams will be left untreated, double- or underscribe-cut these seams to ensure they are as tight as possible. This will minimize any gaps which could collect soiling.
14. Using a clear or color sealant, line the edges and perimeter of all exposed flooring. The sealant bead should not exceed the 3 mm height restriction. When installing, ensure full spread application and use a towel to wipe up any excess sealant.
15. Perform initial maintenance. See **Maintenance** below for additional information.

**NOTES:**

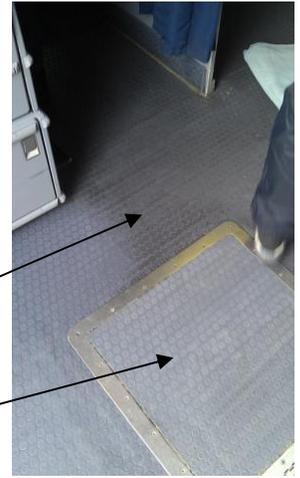
- ▶ When cutting the flooring to fit the installation location, be aware that sheet vinyl is subject to dimensional change. Lonseal accepts no responsibility for dimensional changes to Lonseal flooring products that are cut into shapes or cut outside recommended environmental conditions. The amount of change will depend on the environment in which the material is cut versus the environment in which it is installed. Keeping the material acclimated in similar, if not the same, environments can help reduce or eliminate this natural occurrence, as can cutting the material slightly larger than needed, and trimming to the correct size just prior to installation. Optimal acclimation and installation conditions will be in a controlled environment between 65 °F – 85 °F (18.3 °C – 29.4 °C).
- ▶ For all patterned products, it is recommended to match the pattern at the center of the installation and work the pattern out from the center. Embossed patterns may not always side-match along the entire length of the seam. However, seams should appear balanced throughout the length, and not taper off into the seam.
- ▶ When installed, products which utilize pearlized pigmentation (e.g. Loncoin II Featherweight #883 or #887) reflect light and color differently. As you view the product from different angles the product's coloration will change, resulting in what appears to be a coloration difference at the seam between adjacent sheets. This is normal for these types of products.
- ▶ MEK, acetone, and other abrasive solvents should not be used on Lonseal flooring. These substances will cause permanent damage to the surface of the product, including discoloration.

**MAINTENANCE:**

1. Remove all surface soiling by dust mopping with a microfiber dust mop. For embossed products, use of a firm bristled brush or plastic scraper may be necessary for engrained debris (e.g. gum or food).
2. Using Celeste Interior Cleaner Complete (SP-85000), spray liberally on the surface and allow it to penetrate for 10 seconds before using a microfiber mop pad to remove all soil.
3. Damp mop the clean area, removing any residue with clean water, and allow the floor to fully dry.
4. If necessary, deodorize the flooring by spraying Celeste Biozyme EX3 Enzymatic Cleaner (LS-7200) directly onto the surface, and allow it to penetrate to eliminate odors. Do not rinse and allow the floor to fully dry.

Not yet cleaned

Cleaned with SP-85000

**REPAIRS:**

- ▶ **Small Cuts and Gouges** – Groove the cut or gouge with a hand groover, and heat weld with matching thread.
- ▶ **Large Cuts, Tears, and Surface Damage** – Cut out damaged area using a hook blade, taking care not damage the moisture barrier and panel beneath. Remove tape in replacement area, and apply new tape. Cut new flooring to fit and place into tape after removing the liners. Heat weld the entire perimeter with matching thread.