

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:

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

ADDITIONAL MATERIAL REQUIRED:

- ▶ Lexel® Clear Sealant*

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

APPLICATION (PERMANENT):

1. Prepare the approved substrate as detailed in the Interior Flooring Manual and ensure all products have been properly acclimated prior to installation. Since most Lonmat installations are not performed in a controlled environment, dimensional changes with the flooring, and differing open, working, and curing times for the adhesive, must be taken into consideration. See **Notes** below for additional information.
2. Apply a full spread of the #650 using a 1/16 x 1/32 x 1/32 in. (1.6 x 0.8 x 0.8 mm) U-notch trowel and place the flooring into the adhesive immediately. The #650 is a wet-set adhesive and allowing too much open time will reduce its bond strength.
3. Roll the flooring using a minimum 100 lb. (45.4 kg), three-section roller. Roll the floor again 2 to 3 hours later.
4. Allow no foot traffic for 24 hours after installation.
5. Heat weld all seams 24 hours after installation.
6. If necessary, apply sealant around the perimeter of the installation and any exposed edges of the flooring following the manufacturer's recommendations. See **Notes** below for additional information.
7. Perform initial maintenance 48 hours after installation. See **Maintenance** below for additional information.
8. The #650 will be fully cured 72 hours after installation.

APPLICATION (PORTABLE RUNNER):

1. Ensure all products have been properly acclimated prior to installation.
2. Clean the substrate to remove debris from the installation area and place the sheets as desired.

MAINTENANCE: The following sections are brief summaries of the maintenance procedures necessary for the noted type of installation. Please refer to installed flooring's appropriate **Maintenance Guide** to review complete, detailed maintenance information. Any exceptions noted in this section will supersede the maintenance guide information.

Lonmat UV:

1. Remove all gross soiling (food, gum, residues, etc.). Take care if using a scraper or putty knife to avoid permanently damaging the surface of the flooring.
2. Clean the surface with a microfiber dust mop pad.
3. Apply a properly diluted neutral cleaner to the surface using a microfiber wet mop pad. Only use neutral cleaners intended for sheet vinyl to clean the flooring. Use of other types of cleaners, even diluted bleach or ammonia, could cause permanent damage, like discoloration or staining. A buffing pad may be used instead of a microfiber wet mop to clean the floor to address heavy soiling. Dry buffing is not recommended.
4. If necessary, use a clean microfiber mop pad and clean water to remove any remaining residue.
5. Allow the floor to fully dry.
6. Lonmat UV has a factory-applied urethane finish and is not intended to receive any additional finish. A field-applied urethane finish should only be used if the existing finish needs to be repaired. See **Maintenance** and **Notes** below for more information.

Lonmat XL:

1. Remove all gross soiling (food, gum, residues, etc.). Take care if using a scraper or putty knife to avoid permanently damaging the surface of the flooring.
2. Clean the surface with a microfiber dust mop pad
3. Apply a properly diluted neutral cleaner to the surface using a microfiber wet mop pad. Only use neutral cleaners intended for sheet vinyl to clean the flooring. Use of other types of cleaners, even diluted bleach or ammonia, could cause permanent damage, like discoloration or staining.
4. A blue scrubbing pad may be used instead of a microfiber wet mop to clean the floor to address heavy soiling. See **Notes** below for more information.
5. If necessary, use a clean microfiber mop pad and clean water to remove any remaining residue. A hose using clean, fresh water may be used to rinse off the flooring for areas that can drain directly off the vessel.
6. Allow the floor to fully dry.

7. Lonmat XL is not intended to be finished when used as high voltage insulating flooring. If used outside this setting and a finish is desired, follow the instructions in the Unfinished Maintenance Guide for application. See **Notes** below for more information.

NOTES:

- 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 flooring that is 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 it 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. MEK, acetone, and other abrasive solvents should not be used to clean the flooring. These substances could cause permanent damage or discoloration.
- D. Standard single-disc machines and auto-scrubbers may not be useable or logistically possible in some cases. For these instances, the 3M™ Doodlebug™ Pad Holder and the Rubbermaid® Upright Scrubber Pad Holder use small rectangular versions of the same pads used by the larger machines.
- E. DFT and Lonsealer must not be used in Lonmat installations.
- F. The #650 is only intended to be used as an adhesive. It should not be used as a filler or leveler for the substrate.
- G. Lonmat is tested to meet MIL-DTL-15562G using its factory-applied finish or unfinished state, for Lonmat UV and Lonmat XL respectively. Application of any field-applied finish may or may not result in variations in performance as they pertain to the MIL-DTL-15562G requirements. Please take this into consideration if deciding to apply finish.
- H. If the perimeter of the installation area requires a sealant, Lonseal recommends using LEXEL® Clear Sealant. If using an alternative, always contact the manufacturer to confirm suitability for use with sheet vinyl. Some sealants, like silicone-based sealants, may not always bond properly to vinyl or may cause discoloration to the flooring. All warranties and support for any sealant used will be through the sealant manufacturer.