

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
- ▶ Double Face Tape (DFT)
- ▶ Welding Thread

APPLICATION:

1. Ensure the substrate is prepared per the **Technical Manual for Interior Flooring Products**, and that all materials have been properly acclimated.
2. If using a patching compound or self-leveling underlayment, it is recommended that a primer be used. Also, take great care to follow the manufacturer's instruction when mixing, and use the correct ratio. Failure to do so could result in a lower compressive strength, and cause permanent indentations from the heavy rolling loads of the patient beds.
3. The #650 is required to be placed underneath all patient bed locations. Using a pencil or chalk line, place an outline around these locations, which extends a minimum of 12" (30.5 cm) beyond the bed's footprint, with a minimum area of 4' x 8' (1.2 m x 2.4 m). The #755 can be placed in the remaining areas within the room.
4. Perform a bond test 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.
5. Apply the adhesives using a 1/16" x 1/32" x 1/32" U-notch trowel.
6. After placing the flooring into the adhesives, 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 material. Roll again 2 to 3 hours later.
7. All seams must be heat welded. Unless DFT was used at the seams, wait 24 hours before heat welding. Chemical welding is not an option. See **Notes** below for additional information regarding seam locations.
8. Allow no foot traffic for a period of 24 hours after installation.
9. Perform initial maintenance 48 hours after installation.
10. After 72 hours, the adhesives will be fully cured, and the patient bed(s), along with any other rolling loads and furniture, may be moved into the room.

NOTES:

- ▶ Seams should always be located outside the footprint of the bed. Consider centering the sheet at the middle of the bed's location to provide as much space on either side as possible between the bed's wheels and the seams. If a seam will fall in the area of the #650 placement, DFT is not recommended for use at this location, and the seam must be heat-welded a minimum of 24 hours after installation.
- ▶ These same application procedures may be used for installations where other types of heavy rolling loads are expected, such as CT scan or dialysis machines. Enlarging or reducing the application area of the #650 as needed, while still extending 12" (30.5 cm) beyond the equipment's footprint. Seams should always be located outside the footprint of the equipment. In the case of large equipment, make every attempt to place the seams outside their footprint, but specifically outside the location of their wheels, to avoid putting undue stress on the seams. If a seam will fall in the area of the #650 placement, DFT is not recommended for use at this location, and the seam must be heat-welded a minimum of 24 hours after installation.
- ▶ Even when these installation instructions are followed, some indentation in the flooring is to be expected from heavy rolling/point loading. Being resilient flooring, the material will recover, as long as the load does not exceed the material's specifications. Recovery should generally occur within 24 hours, but longer recovery times may occur depending on the total load.
- ▶ Some patient beds contain wheels with narrow profiles, resulting in higher point loading, which may cause indentations that take much longer to recover, or even become permanent. Lonseal recommends that the point of contact at the surface be flat shaped to avoid these types of situations.

SPRAY ADHESIVE ALTERNATE: As an alternate to the #650, Spray-Lock® 3100 may be used to provide immediate shear strength, and allows immediate traffic after installation, including patient beds. Heat welding in areas of Spray-Lock may occur one hour after installation, and do not require the use of DFT. Please contact Lonseal's Technical Department for additional information, prior to using Spray-Lock adhesive with Lonseal flooring.