

Mats Inc. Installation Instructions for Underfloor SL

These instructions supersede any verbal or written instructions from Mats Inc. representatives.

1. INTRODUCTION

- 1.1 Underfloor SL is a coated and textured fiberglass reinforced underlayment designed to provide a stable, moisture resistant barrier substrate for floor coverings.
- 1.2 Underfloor SL shall be installed by experienced professional installers with a minimum of five years experience installing commercial resilient floor covering products. Training programs such as those offered by International Standards & Training Alliance (INSTALL) are recommended.
- 1.3 Order Underfloor SL and related materials in compliance with product supplier's ordering and lead time requirements to ensure receipt at least 48 hours prior to installation (to allow materials to acclimate to job site conditions).

2. MATERIAL HANDLING AND STORAGE

- 2.1 Upon receipt of Underfloor SL, immediately remove from pallet. If rolls are damaged, mark shipping documents as such before signing for the shipment. Contact shipper and/or Mats inc. to report damage.
- 2.2 Underfloor SL shall be stored vertically prior to installation. The material may be shipped horizontally in a pyramid stack.
- 2.3 If material is distorted or otherwise damaged during storage or transportation, do not install.
- 2.4 Store rolls of Underfloor SL and other materials, including but not limited to, patching or leveling compounds, floor covering, welding rods, chemical welding liquid, adhesive, and maintenance products in original packaging on job site where they are to be installed. Areas shall be enclosed and weather tight at 65 °F - 80 °F for a minimum of 48 hours prior to commencement of installation.
- 2.5 At least 24 hours before installation, remove Underfloor SL packaging and store the rolls vertically. Allow rolls to unroll a little to "relax". Do not lay the rolls flat.
- 2.6 Inspection of materials: Great care is taken to properly label and inspect materials for defects at all phases of manufacturing and handling by Mats Inc. However, in the rare case where the wrong product or material with visible defect is shipped, these products shall not be installed. Careful inspection of the product before installing is the responsibility of the installer. Installation of the product denotes acceptance of the product. Mats Inc. will not honor any warranty complaints for materials installed in the wrong color with visible defects or other damage.

3. SUBSTRATE PREPARATION AND TESTING

- 3.1 The substrate must be sound, clean, perfectly smooth, and free of cracks, old adhesive, curing compounds, wax or other contaminants. Irregularities in the substrate are likely to telegraph (show through) to the finished floor.
- 3.2 Floor laying work shall not begin until the installer has assessed and approved the substrate and subfloor conditions.
- 3.3 Underfloor SL may be used over substrates and subfloors such as:
 - Vinyl flooring
 - Ceramic tile
 - Sheet metal
 - Subfloors contaminated with oil or paint
 - Damp subfloors
 - Asphalt subfloors
 - Screed or concrete substrates where construction moisture has not fully dried out (max 5CM% moisture content, 92% RH)
 - Anhydrite screeds with a maximum of 2 lbs/1,000 sqft/ 24 hours (carbide method)
 - Areas where subfloor has been exposed to water
 - Old subfloors that do not contain a fully functioning damp proof membrane
 - Heated concrete or cement/sand screeds up to 80 °F

3.4 Do not install Underfloor SL over:

- Areas that are subjected to heavy wheeled traffic such as forklift or pallet trucks, chair castors, etc.
- Subfloors that are subject to hydrostatic pressure
- Subfloors containing an effective damp proof membrane but exceed a relative humidity of 97%
- Subfloors without a damp proof membrane and a relative humidity above 92%
- Magnesite or composite floors
- Biologically sensitive areas
- Areas where flooring must be fully adhered, such as prisons

4. SITE CONDITIONS

4.1 Install floor coverings after all other trades have completed their work.

4.2 Protect areas where floor covering shall be installed from all traffic before, during and after installation.

4.3 Extremes of temperature and humidity can affect floor covering products and can alter the proper cure patching compounds and adhesives. Building shall be between 65°F and 80°F before, during and 48 hours after installation. Maintain relative humidity of 40% - 60%.

NOTE: If a system other than a permanent HVAC system is utilized, it must provide constant temperature and humidity control at specified levels for the specified timeframe.

5. ADHESIVES AND ACCESSORIES

5.1 Consult the appropriate Material Safety Data Sheets (MSDS) for proper handling of accessories.

5.2 *Flooring:* Underfloor SL

5.3 *Tools:* commercial grade utility knife (recommended to use one new blade per length of material required), 6' steel ruler, smoothing compound, 2" wide tape used to tape the seams (3M 471 Vinyl Tape, FrogTape 2" Multi-Surface Tape, or Roberts 1-7/8" Duct Tape), dust mop or commercial vacuum

6. INSTALLATION

6.1 The architect or end user should approve the proposed layout including any intended seam locations prior to installation.

6.2 Thoroughly sweep and/or vacuum the substrate to remove all dirt, dust and debris.

6.3 Roll out Underfloor SL and lay flat to acclimate 24 hours prior to installation.

6.4 Loose lay Underfloor SL with textured side down in the same direction that the floor covering will be laid.

6.5 Abut joints tightly without overlapping seams.

6.6 Tape seams on top of material (tape the smooth topside of the Underfloor SL) using a thin, clear sealing tape approximately two to three inches wide. The Underfloor SL should lay flat after the tape is applied.

7. CLEAN UP AND FINAL FINISH

7.1 Maintain the room temperature between 65°F and 80°F before, during and 48 hours after installation.

7.2 Dust mop or commercial vacuum to clear the area of debris and grit.

7.3 Follow floor covering installation instructions for use with Underfloor SL