

# Installation Manual

Quiet Tread is a peel and stick application to the underside of stair treads and landings where foot traffic occurs. Quiet Tread must be attached to a smooth, clean, dry surface. Each edge of Quiet Tread 1-2 inches away from edges, obstructions, bends, and welds. This is to guarantee the best result, the most coverage for absorbing the most vibration to reduce sound. The product must be applied completely flat for a lasting adhesive bond.

## INSTALL SHOP APPLIED DURING STAIR FABRICATION



### 1. Important Information

- a. Install Quiet Tread on the unfinished underside of the metal stair tread and landing sheet.
- b. Inspect the stair treads or landing sheet to ensure the underside surface is smooth and free from imperfections.
- c. Clean and dry the surface of the stair treads or landing sheet that will receive Quiet Tread, ensuring it is free of loose mill scale, imperfections, rust, dust, moisture, solvents, or oils. The manufacturer recommends using 99% alcohol and white cloth which does not leave loose threads for cleaning.
- d. It is crucial that the surface is thoroughly cleaned, as adhesive bond failure can occur if not. Additionally, ensure the metal stair tread substrate is flat.
- e. Remember, the quality of the adhesive depends on the surface it adheres to, so correct any imperfections before proceeding with the installation.

## 2. Install Preparation

- a. Begin by placing the prefabricated stair flights and landings upside down on the floor in a protected interior environment to prevent any contamination during the cleaning process.
- b. Ensure that the ambient temperature of the installation environment and the surface temperature of the metal fall within the range of 70°F to 120°F. If necessary, use a propane torch to heat the metal surfaces to achieve the desired temperature.
- c. Thoroughly clean the surfaces where the Quiet Tread will be applied. To ensure proper cleanliness, use a new cloth to verify that the surfaces are completely free of any debris or contaminants.
- d. Plan out the layout with markings on the steel for installing the Quiet Tread panels. Once the panel is applied onto the substrate, it cannot be moved or removed without causing irreparable damage to the Quiet Tread panel. Therefore, careful planning and precision during installation is crucial.

## 3. Apply Quiet Tread

- a. Ensure all installation preparations are complete before proceeding.
- b. Remove the release backing from the underside of the Quiet Tread panel.
- c. With the assistance of another worker, position one corner of the Quiet Tread panel on the layout mark, aligning the panel with the edge of the stair tread and maintaining a distance of 1 inch from the edge.
- d. Starting from one end of the panel, gradually lower it onto the underside of the tread surface, taking care to avoid trapping air between the substrate and the Quiet Tread panel.
- e. Once the Quiet Tread panel is in position, firmly press down with hands to eliminate any air pockets.

## 4. Applying Pressure For Adhesive Bond

- a. Using a commercial-grade vinyl roller. Start by rolling the panel onto the underside of the stair tread substrate from one end to the other, applying approximately 25 lbs. per square inch pressure.
- b. After completing the first pass, rotate the roller 90 degrees and repeat rolling the Quiet Tread panel using ~25 lbs. per square inch.
- c. Proper attachment of the Quiet Tread panel to the smooth metal substrate is crucial. Make sure to roll it thoroughly to maximize the bond between the stair tread substrate and the Quiet Tread panel. The roller is used in both up and down and side-to-side direction.

## 5. Cure Time

- a. Allow 1 hour for the adhesive to set before moving the stair into the outside environment.
- b. Keep the stairs dry.
- c. Allow 24 hours for the adhesive bond to cure.

## 6. Finish Painting

- a. After the cure time, simply prime or paint the stairs and landings. No further steps are necessary.

## FIELD INSTALL ON EXISTING STAIRS

Quiet Tread can be applied to existing stairs with proper preparation and installation techniques. Follow the standard steps for installing on new stairs but take extra care to ensure a strong bond.

### 1. Surface Condition Check

- a. Ensure the underside substrate of the stair tread or landing is free from rust or corrosion.
- b. Verify that any pre-applied finish won't peel or flake once the Quiet Tread panel is installed.
- c. If there are concerns, sand the substrate surface on which Quiet Tread would be adhered to and clean it thoroughly before installation.

### 2. Installation Preparations

- a. Install Quiet Tread panels using scaffolding underneath the stairs.
- b. Plan labor, occupant egress, and necessary equipment ahead of time.

### 3. Layout Markings

- a. Make precise layout markings to avoid improper placement and ensure consistent application.

### 4. Application Technique:

- a. Apply pressure with a commercial-grade vinyl roller immediately after placing Quiet Tread.
- b. Repeat rolling one hour later to ensure the bond remains intact due to gravity.

### 5. Final Touches

- a. Allow 24 hours for the adhesive bond to cure.
- b. Visually inspect panels to ensure the bond remained intact due to gravity.
- c. Finish paint over the Quiet Tread panels.
- d. Pay special attention to sealing exposed edges with paint to protect the adhesive bond from contaminants.