



# Fiberglass Step Cover & Nosing Install Guide

## Preparation for Installation

Surfaces should be clean, dry and free from oil, grease, rust, old coverings, adhesives and any other foreign substance. It is recommended that any painting or refinishing of surface be completed prior to installation of step covers. Surface should be of sound structure as the FRP panel is not a weight bearing material. Worn areas, cracks, holes, depressions or any other irregularities on the surface should be repaired by filling or sealing and smoothing with an underlayment compound.

American Stair Treads recommends a urethane / polyurethane based adhesive /sealant when installing over wood, concrete or solid steel steps. (Examples include: **LOCTITE PL Premium** or **LIQUID NAILS Heavy Duty**)

## Materials Required

Appropriate Personal Protection Equipment  
Safety Glasses, Dust Mask, Gloves,  
Ear Protection, Protective Clothing, Shop Rags  
Drill with appropriate bit – carbide bit suggested  
Tape Measure / Ruler  
Marking tool, marker, pen, pencil  
Sandpaper  
Acetone or De-natured Alcohol  
Chalk Line  
Vacuum or Broom & Dust Pan  
Adhesive / Sealant: Fasteners  
(see below)

### **Fastener Information**

*\*Truss Head or Pan Head Screws Recommended*

SUBSTRATE	FASTENER RECOMMENDED	
Wood	Stainless Steel, 1"-1.5" long	
Concrete	Masonry Screw with anchor if needed	
Steel	Stainless Steel, 1"-1.5" Self Tapping	

SCREW SIZE	Drill Bit Required
#8	7/64" diameter
#10	3/16" diameter
1/4"	3/8" diameter

## General Preparation and Conditioning

All materials are to be delivered to the installation location in its original packaging with label intact. Product should be stored in Flat, Level, Dry areas. Surface must be level, smooth, clean and dry. If desired, paint surface before installing step covers. Product, surface and ambient temperatures must be above adhesive recommendations before installation.

## Step Cover Preparation

Using sandpaper, lightly scuff the underside of the step cover and remove any surface dust by wiping with denatured alcohol. This will assist with a proper bond with the adhesive. Apply adhesive in accordance with manufacturer's instructions.

## Installation over Concrete, Wood or Steel Steps

American Stair Treads recommends a urethane / polyurethane based adhesive / sealant when installing over wood, concrete or solid steel steps. Examples: **LOCTITE PL Premium** or **LIQUID NAILS Heavy Duty**

## Surface Preparations

### Concrete Steps

Fill and patch all holes making the step surface flat and smooth. If step is bowed or nose is rounded use a cement filler to ensure the step is level. Make certain the surface is clean using an industrial cleaner. Rinse the surface thoroughly to remove any soap residue. Allow surface to dry completely.

### Wood Steps

Replace any areas of wood that are bowed or severely worn, creating a flat, smooth, level surface. Make certain the surface is clean using an industrial cleaner. Rinse the surface thoroughly to remove any soap residue. Allow surface to dry completely.

### Metal Floors

Remove any flaking rust or paint. Make certain that the steps are level and smooth. Make certain the surface is clean using an industrial cleaner. Rinse the surface thoroughly to remove any soap residue. Allow surface to dry completely.

## **GLUE-DOWN INSTALLATION** (over Wood, Concrete & Steel Steps with Adhesive ONLY)

- Place one step cover on the top step and another on the bottom step. Center both treads on the steps. Take the chalk line and stretch it from the left side of the top step to the left side of the bottom step and snap it. This will offer you a placement guide line for the rest of the covers.
- Starting at the top step align step cover tightly against step nosing.
- Follow instructions on adhesive cartridge to ensure best results. Adhesive/Sealant should be applied to the under-side of the step cover in 1/2" bead around the edge of the cover, front, back and side approximately 1"-2" from the edge and complete with a zigzag / serpentine pattern across the bottom of the step covers.
- Position the step cover against the step nose and carefully align with the treads above and below. Firmly place the step cover with adhesive onto the surface, taking special care not to excessively slide the cover in place so that the adhesive is dislocated.
- Clean any excess adhesive with denatured alcohol or acetone as recommended by the adhesive /sealant manufacturer

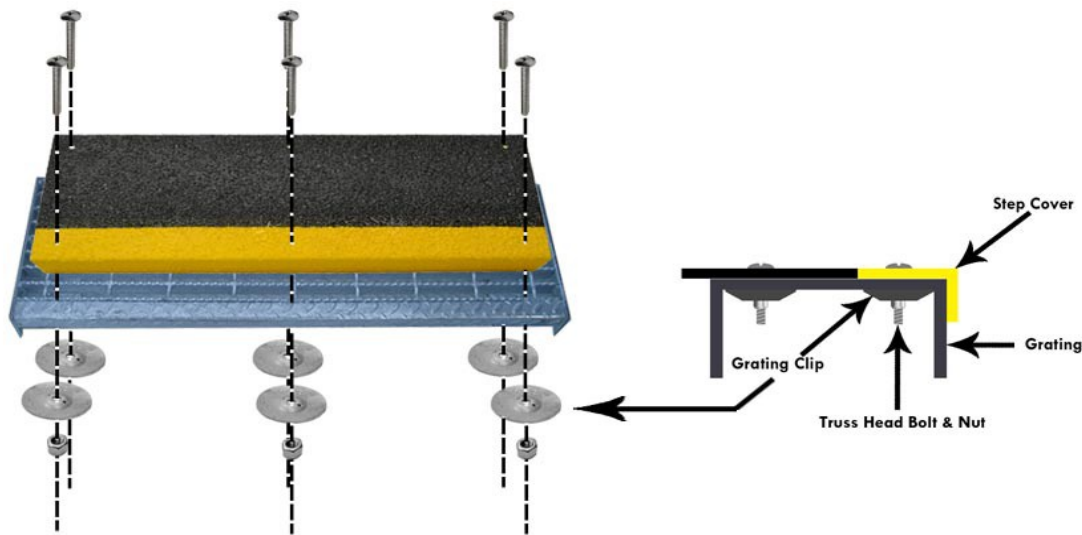
## **SCREW-DOWN INSTALLATION** (over Wood, Concrete & Steel Steps)

- Place one step cover on the top step and another on the bottom step. Center both treads on the steps. Take the chalk line and stretch it from the left side of the top step to the left side of the bottom step and snap it. This will offer you a placement guide line for the rest of the covers.
- Starting at the top step align step cover tightly against step nosing.
- Using proper drill bit size, drill pilot holes through the panel into the surface. For a uniform look, all step covers should have the same drill pattern & hole placements. **Holes should be no closer than 2" to the edge of the step cover.** Side / Edge holes should be predetermined and should not exceed a spacing of 24 inches between holes. American Stair Treads recommends a spacing of 12"-16" on center on highly traveled areas.
- Remove the tread, using the drill with proper bit size for chosen screw, drill your pilot holes for the step. Tap each pilot hole if necessary. Clean off any drill shavings from the step.
- Follow instructions on adhesive cartridge to ensure best results. Adhesive/Sealant should be applied to the under-side of the step cover in 1/2" bead around the edge of the cover, front, back and side approximately 1"-2" from the edge and complete with a zigzag / serpentine pattern across the bottom of the step covers. Do not apply adhesive over the pre-drilled holes.
- Position the step cover against the step nose and carefully align the pre-drilled holes precisely with the pilot holes. Firmly place the cover with adhesive onto the surface taking special care to not obstruct the pilot holes or to slide the cover.

- Insert the appropriate screw and tighten until a proper fit/seal is achieved. Clean any excess adhesive with denatured alcohol or acetone as recommended by adhesive /sealant manufacturer

## **GRATED STEP INSTALLATION**

-We recommend using 2"- 1/4" Truss Head Stainless Steel Bolts, Nylon Nuts and 2" Galvanized Grating Clips. (Sold separately.)



- Place one step cover on the top step and another on the bottom step. Center both treads on the steps. Take the chalk line and stretch it from the left side of the top step to the left side of the bottom step and snap it. This will offer you a placement guide line for the rest of the covers.
- Starting at the top step align step cover tightly against step nosing.
- Using 3/8" drill bit, drill pilot holes through the panel through an opening in the grating. For a uniform look, all step covers should have the same drill pattern & hole placements. **Holes should be no closer than 2" to the edge of the step cover.** Side / Edge holes should be predetermined and should not exceed a spacing of 24 inches between holes. American Stair Treads recommends a spacing of 12"-16" on center on highly traveled areas.
- Firmly position the step cover against the step nose.
- Insert the 2"-1/4" Phillips head bolt, align round grating clips as shown in above diagram and fasten nylon nut to bolt. Tighten nut to bolt until a proper fit/seal is achieved, do not over tighten.

All step covers are made to customer specifications. If additional cutting or trimming is required, we recommend the use of proper Personal Protection Equipment and cut / trim with a high-speed diamond blade.

# **Product Maintenance**

## **Initial Maintenance**

Remove and clean any adhesive product off the treads immediately. Wait 72 hours before cleaning the treads with an industrial cleaner and water.

## **Regular Maintenance**

Surface can be swept to remove any loose dirt. Treads can be cleaned using a general purpose industrial floor cleaner. For caked on dirt use a stiff bristled brush with the industrial cleaner. Fiberglass step covers can be pressure sprayed up to 1000 psi.

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