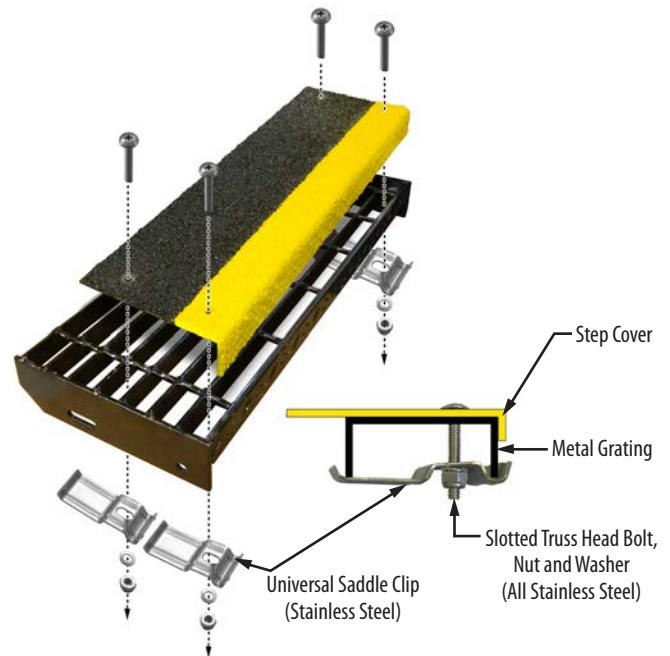


## INSTALLING YOUR SAFEGUARD ANTISLIP COVER WITH MECHANICAL FASTENERS

### STEP COVERS (OVER WOOD, STEEL & CONCRETE):

To compensate for expansion/contraction over outdoor substrates (wood, concrete etc), use 1/8" larger drill bit than recommended on the chart when drilling holes in your Safeguard® Cover.

1. Prior to drilling, determine placement of covers (usually centered on the step). It is recommended to start with the top step and work down.
2. SAFEGUARD® Covers are available with pre-drilled holes. If your covers have **pre-drilled holes, skip to STEP # 8.**
3. Measure from the left stringer and note distance to ensure a consistent alignment of all step covers within the stairwell. If you are not covering the entire step, measure from the closest stringer.
4. If your Step Covers do not have pre-drilled holes, position one (1) step cover over the substrate and determine the desired location for the screws. There may be impediments that determine where the holes should be drilled: I.E. on wood, there may be spacing between boards.
5. Slide the Step Cover back towards the riser (or rear of step) until the vertical lip hits flush on the leading edge of the step. It is imperative that the leading edge of the Step Cover be fully supported or damage will incur, including cracking of a FRP cover.
6. Once the position of the drill holes is determined, mark the underside of the cover with a shop pencil or Sharpie™. Safeguard recommends that pre-drilled holes be at least 1" (25 mm) in from the edge of the covers to avoid fracturing (FRP).
7. Place Step Cover so that the bottom side is facing up. Always drill from the underside through to the gritted surface. We suggest using a wood plank underneath for support during the drilling operation. Using the appropriate sized drill bit from the **Drill Bit Chart** (Section 1), pre-drill the holes into the underside of your SAFEGUARD® Cover using the markings you created.
8. You can choose to use this Cover as a template for the entire stairwell when marking pilot hole location. If installing your cover over wood, pilot holes are not necessary. **SKIP TO STEP # 15.**
9. Re-align your Step Cover on the step with the pre-drilled holes in the precise position you want the cover installed.
10. (Pilot Holes) - Place a marking device Sharpie™ in the pre-drilled hole and mark the substrate accordingly.
11. Remove the Step Cover.
12. Drill the pilot holes into the marked area on the substrate to the appropriate depth indicated in the **"PILOT HOLE DEPTH"** guide (Section 1).
13. Using a brush, broom, or ShopVac™, remove the dust and debris caused by the drilling.
14. If using masonry fasteners, once the surface is clear of dust and debris, insert the plastic sleeve into the pilot hole. The top of the insert sleeve should sit flush with the top of the pilot hole.
15. Place the Step Cover over the step taking care to align the pre-drilled holes precisely with the pilot holes. If installing over wood or there are no pilot holes, simply place the cover in the preferred location on the step.
16. Insert the appropriate screw and Torque<sup>1</sup> until a tight fit/seal is achieved.



### STEP COVERS (OVER GRATING):

1. Check all steps to determine if grating location is consistently positioned. If steps have been fabricated with the same grating configuration, a template can be used to locate drill holes.
2. Place Step Cover in position on the step. It is recommended to start with the top step and work down.
3. Mark drill hole positions on the bottom side of the Step Cover. Drill holes should be centrally located between grating bars. Hole positions should be at least 1" (25 mm) from the edges of the Step Cover.
4. Measure drill hole locations from the sides and back edges of the Step Cover. Use these measurements to mark the bottom side of other Step Covers being installed at that location or on the template.
5. Place Step Cover so that the bottom side is facing up. Always drill from the underside through to the gritted surface. We suggest using a wood plank underneath for support during the drilling operation.
6. Using the appropriate sized drill bit from the **Drill Bit Chart** (Section 1), pre-drill the holes into the underside of your SAFEGUARD® Cover using the markings you created.
7. Position Step Cover on the step. Insert bolts into Step Cover.
8. From underneath the step, place the saddle clip, lock washer and then the lock nut on the bolts.
9. Use the socket wrench to hold the locknut under the step.
10. Insert the driver in the bolt head. Slowly tighten the bolt and make sure the saddle clip remains properly positioned on the grating bars.

### Warning – Do Not Over Torque!

12. Securely fasten remaining saddle clip assemblies and ensure Step Cover is properly installed.

<sup>1</sup> Please reference the red "Attention" square on the back of this page for torque recommendations

# Anti-Slip Hi-Traction™ COVERS Installation Guidelines

## Section 2

### WALKWAY COVERS (OVER WOOD, STEEL & CONCRETE):

NOTE: To compensate for expansion/contraction over outdoor substrates (wood, concrete etc), use 1/8" larger drill bit than size recommended on the chart when drilling holes in your Safeguard® Cover. It is also important to leave a small space between Walkway Covers when assembling a series end to end. A space of approximately 1/4 inch should be left between sheets.

1. Prior to drilling, determine placement of cover on walkway or landing.
2. SAFEGUARD® Covers are available with pre-drilled holes. **If your covers have pre-drilled holes, skip to STEP # 8.**
3. If your Walkway Cover does not have pre-drilled holes, position one cover over the substrate and determine the desired location for the screws. There may be impediments that determine where the holes should be drilled: I.E. on wood, there may be spacing between boards.
4. Once the position of the drill holes is determined, mark the underside of the cover with a shop pencil or Sharpie™. Safeguard recommends that pre-drilled holes be at least 1" (25 mm) in from the edge of the covers to avoid fracturing (FRP).
5. Place Walkway Cover so that the bottom side is facing up. Always drill from the underside through to the gritted surface. We suggest using a wood plank underneath for support during the drilling operation.
6. Using the appropriate sized drill bit from the **Drill Bit Chart** (Section 1), pre-drill the holes into the underside of your SAFEGUARD® Cover using the markings you created.
7. Re-align your cover with the pre-drilled holes in the precise position you want the cover installed.
8. (Pilot Holes) - Place a marking device Sharpie™ in the pre-drilled holes and mark the substrate accordingly.  
**If installing your cover over wood, pilot holes are not necessary. SKIP TO STEP # 13.**
9. Remove the Walkway Cover.
10. Drill the pilot holes to the appropriate depth indicated in the **PILOT HOLE DEPTH** guide (Section 1).
11. Using a brush, broom, or ShopVac™, remove the dust and debris caused by the drilling.
12. If using masonry fasteners, once the surface is clear of dust and debris, insert the plastic sleeve into the pilot hole. The top of the insert sleeve should sit flush with the top of the pilot hole.
13. Place the Walkway Cover over the area taking care to align the pre-drilled holes precisely with the pilot holes. If installing over wood or there are no pilot holes, simply align the cover in the desired location.
14. Insert the appropriate screw and Torque<sup>1</sup> until a tight fit/seal is achieved.

### WALKWAY COVERS (OVER GRATING):

1. Prior to drilling, determine placement of cover on walkway or landing.
2. Mark drill hole positions on the bottom side of the Walkway Cover. Drill holes should be centrally located between grating bars. Hole positions should be at least 1" (25 mm) from the edges of the Walkway Cover.
3. Measure drill hole locations from the sides of the Walkway Cover.
4. Place Walkway Cover so that the bottom side is facing up. Always drill from the underside through to the gritted surface. We suggest using a wood plank underneath for support during the drilling operation.
5. Using the appropriate sized drill bit from the **Drill Bit Chart** (Section 1), pre-drill the holes into the underside of your SAFEGUARD® Cover using the markings you created.

6. Align your cover with the pre-drilled holes in the precise position you want the cover installed.
7. Insert bolts into Walkway Cover.
8. From underneath the Walkway or Landing, place the saddle clip, lock washer and then the lock nut on the bolts.
9. Use the socket wrench to hold the locknut under the step.
10. Insert the driver in the bolt head. Slowly tighten the bolt and make sure the saddle clip remains properly positioned on the grating bars.  
**Warning – Do Not Over Torque!**
11. Securely fasten remaining saddle clip assemblies and ensure Walkway Cover is properly installed.

### LADDER RUNG COVERS:

Most Ladder Rung Covers are installed using Sikaflex Adhesive however, mechanical fasteners can be used (on large diameter, channel shaped hollow rungs) and in the case of Stainless or Galvanized Covers, tack-welding is an option.

### PIPE & CABLE COVERS:

1. Prior to drilling, determine placement of cover.
2. SAFEGUARD® Covers are available with pre-drilled holes. **If your covers have pre-drilled holes, skip to STEP # 6.**
3. If your Pipe & Cable Cover does not have pre-drilled holes, position the cover over the substrate, pipe and/or cable and determine the desired location for the screws. Safeguard recommends that pre-drilled holes be at least 1" in from the edge of the covers to avoid fracturing (Fiberglass).
4. Once the position of the drill holes is determined, mark the underside of the cover with a shop pencil or Sharpie™.
5. Using the appropriate sized drill bit from the Drill Bit Chart, pre-drill the holes into the underside of your SAFEGUARD® Cover using the markings you created.
6. Re-align your Pipe & Cable Cover with the pre-drilled holes in the precise position you want the cover installed.
7. (Pilot Holes) - Place a marking device Sharpie™ in the pre-drilled hole and mark the substrate accordingly.
8. Remove the Pipe & Cable Cover.
9. Now drill the pilot holes into the marked area on the substrate to the appropriate depth indicated in the (PILOT HOLE DEPTH) instructions.
10. Using a brush, broom, or ShopVac™, remove the dust and debris caused by the drilling.
11. If using masonry fasteners, once the surface is clear of dust and debris, insert the plastic sleeve into the pilot hole. The top of the insert sleeve should sit flush with the top of the pilot hole.
12. Place the Pipe & Cable Cover over the substrate taking care to align the pre-drilled holes precisely with the pilot holes.
13. Insert the appropriate screw and Torque<sup>1</sup> until a tight fit/seal is achieved.



<sup>1</sup>Please reference this red "Attention" square for torque recommendations



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