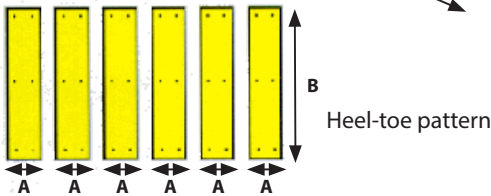
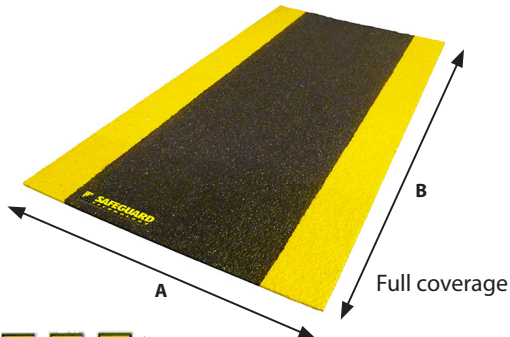


Safeguard® Hi-Traction® Anti-Slip Walkway Covers are not load-bearing but are installed over existing path (or any flat surface). They are sized to meet your specifications with Width (A) and Length (B) made to order. Covers can be configured to fit around non-movable elements. Large areas can be covered with multiple pieces or in a heel-toe pattern to create a designated safe walking path.

Custom sizes and styles are available.

Walkway Covers are generally up to 2" (50 mm) smaller than the area to be covered to allow for seasonal expansion and any irregularities in the floors and walls.

## Hi-Traction® Anti-Slip Walkway Covers







BASE MATERIALS	THICKNESS	MAX SIZE (A x B)
1/8" Pultruded Fiberglass (FRP)	0.125" (3 mm)	48" x 96" (1.2 m x 2.4 m)
1 mm Molded Fiberglass (FRP)	0.04" (1 mm)	48" x 96" (1.2 m x 2.4 m)
Vinyl (Flexible PVC)	0.015" (0.5 mm)	48" x 48" (1.2 m x 1.2 m)
G90 Galvanized Steel, 18 g	0.05" (1.2 mm)	48" x 96" (1.2 m x 2.4 m)
#316 Stainless Steel, 18 g	0.05" (1.2 mm)	48" x 96" (1.2 m x 2.4 m)
Heavy Duty Aluminum, Marine Grade	0.28" (7 mm) <i>other sizes available</i>	48" x 96" (1.2 m x 2.4 m)
Flexible Geomembrane Roll-Traction®, 60 mil	0.068" (1.72 mm)	58" x 600" (1.5 m x 15 m)

### AVERAGE THICKNESS OF FINISHED PRODUCT

Base Material	Super Coarse	Extra Coarse	Coarse	Fine	Extra Fine	Super Fine
1/8" Pultruded Fiberglass (FRP)	0.38"	0.26"	0.19"	0.18"	0.17"	0.16"
	9.7 mm	6.6 mm	4.8 mm	4.6 mm	4.3 mm	4.1 mm
1 mm Molded Fiberglass (FRP)	N/A	0.12"	0.07"	0.07"	0.06"	0.05"
		3.15 mm	1.8 mm	1.7 mm	1.5 mm	1.3 mm
Vinyl (Flexible PVC) <i>(not recommended for open grating)</i>	N/A	N/A	0.08"	0.07"	0.06"	0.05"
			2.1 mm	1.9 mm	1.6 mm	1.3 mm
Galvanized or Stainless Steel, 18 gauge	0.30"	0.18"	0.11"	0.10"	0.09"	0.08"
	7.6 mm	4.6 mm	2.8 mm	2.5 mm	2.2 mm	2.0 mm
Heavy Duty Aluminum, Marine Grade	0.54"	0.42"	0.35"	0.34"	0.33"	0.32"
	13.6 mm	10.6 mm	8.8 mm	8.5 mm	8.3 mm	8.0 mm
Flexible Geomembrane Roll-Traction® <i>(not recommended for open grating)</i>	N/A	N/A	0.101"	0.095"	0.087"	0.080"
			2.6 mm	2.4 mm	2.2 mm	2.0 mm

### PRE-DRILLED HOLES/SLOTS

#8 screws  7/32" (5.55 mm)	#10, #12 screws  9/32" (7.14 mm)
1/4" bolts  3/8" (9.52 mm)	Slots for adjustable screw placement  1" (25 mm) x 9/32" (7.14 mm)
Custom size holes, slots, and placements are available	

### RECOMMENDED FASTENERS

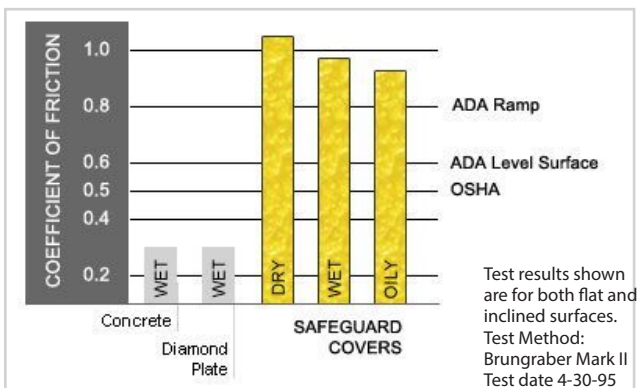
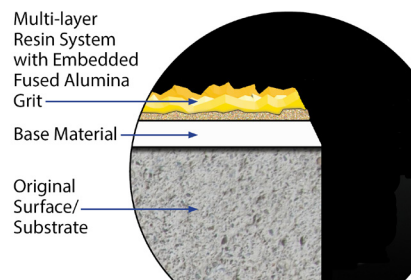
<b>Wood</b>  Self-tapping/ drilling screws	<b>Concrete</b>  Masonry screws and anchors	<b>Solid Metal</b>  Nuts, bolts, pop rivets, and self-drilling screws	<b>Open Grating</b>  Saddle clips, nuts, and bolts	<b>Adhesive:</b> Sikaflex 252 <b>Sealant:</b> Sikaflex 221  <b>PSA:</b> 1 mm, Vinyl 
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Select the appropriate fastener for the substrate to be covered. A combination of mechanical fasteners and adhesive may be used. Sikaflex 221 sealant may be used to seal edges to deter corrosion. *Fasteners and pre-drilled/slotted holes are available upon request.*

# Safeguard Hi-Traction® Anti-Slip Covers - General Properties

The Safeguard anti-slip surface is an engineered combination of epoxy, resin, and fused alumina aggregate which is bonded to a variety of base materials.

- Covers are not load-bearing but are installed over existing substrate with mechanical fasteners or adhesive.
- Pre-drilled holes/slots and fasteners are available upon request.
- After installation, Cover edges may be sealed with adhesive for corrosion protection.
- Custom covers can be made to your specification. Send detailed requirements to receive a free consultation and quote:
  - size and shape of item to be covered
  - base material desired
  - grit size or conditions of area to be covered
  - color plus any logo or messages desired



Independent Testing (1/8" FRP base unless noted)		
Smoke & Flame	ASTM E648 NFPA 253 FTM Std 372	Average Critical Radiant Flux: 1.04 Watts/cm <sup>2</sup> 0.93 Watts/cm <sup>2</sup> (Vinyl)
	ASTM E662 NFPA 258	Average Maximum Density Corrected (Flaming): 176 Average Specific Optical Density at 4.0 Minutes: 187
		Average Maximum Density Corrected (Non-Flaming): 341 Average Specific Optical Density at 4.0 Minutes: 311
	ASTM E84	Flame Spread: 20    Smoke Developed: 400 Flame Spread: 50    Smoke Developed: 90 (Vinyl)
Wear	FMVSS 302	Passed
Impact	Simulator: 30,000 cycles, 400 pounds	Little wear at end of test: Approximately 0.013 inch (0.33 mm) between worn and unworn sections of Cover
Thermal Shock	Approx. 138 Joules (17 lb. pendulum), 60°F	Slip resistant coating detached at point of impact only. No shattering occurred.
Weathering	Range: -40°F to 150°F	After 20 cycles, visual inspection for cracking or melting revealed no sign of damage
	ASTM D4587	Lightness/Darkness (L*) - small change Redness/Greenness (a*) - small decrease Yellowness (b*) - slightly larger decrease Luminescence Retention (HiGlo-Traction): 100% after 158 hours 90% after 200 hours
NSF	Stainless Steel Hi-Traction	Acceptable for use as a slip resistance treatment (P1) for use on walking surfaces in and around food processing areas.

GRIT SIZES	
Super Coarse	#3/6 Mesh
Extra Coarse	#10 Mesh
Coarse	#20 Mesh
Fine	#24 Mesh
Extra Fine	#36 Mesh
Super Fine	#54 Mesh

Fused Alumina Properties
Mohs Hardness Scale: 9.4
Comparison: Diamond: 10 Silica/Sand/Quartz: 6-7

## Descriptive Markings, Messages, and Logos

Images and messages are embedded into the resin to last for the life of the product.

CRITICAL MESSAGES
"Use Handrail"
Pictograms
Directional Guidance
Corporate Logo or Safety Message
PPE Requirements
Glow-in-the-Dark (reverse)
Your Custom Message

STANDARD COLORS	
Safety Yellow	Black
Red	White
Beige	Blue
Brown	Fluorescent Green
Gray	Fluorescent Orange
Green	Fluorescent Pink
Orange	PPE Blue

PREMIUM COLORS	
Speckle Photo	Ipswich Olive
Bainbridge Blue	Hudson Hunter
Grand River Gray	Brisbane Brick Red
PM Salmon	Ekzri Brown
Newbury Sky	Geauga Green
Mentor Sand	Erie Blue
Chagrin Chocolate	Garfield Gray

Custom colors also available

## HiGlo-Traction®

Safeguard® HiGlo-Traction® Covers glow in the dark, producing light to aid egress in a power outage. Photoluminescent pigment lasts for the life of the Cover.

PHOTOLUMINESCENT HiGlo-Traction® COLORS
Glo-Yellow
Glo-White
Glo-Pink
Glo-Lime
Glo-Green
Glo-Orange

## Two-Tone Configuration

Contrasting color on the perimeter of a Walkway Cover, Step Cover, or Ladder Rung Cover designates a safe walking zone.

