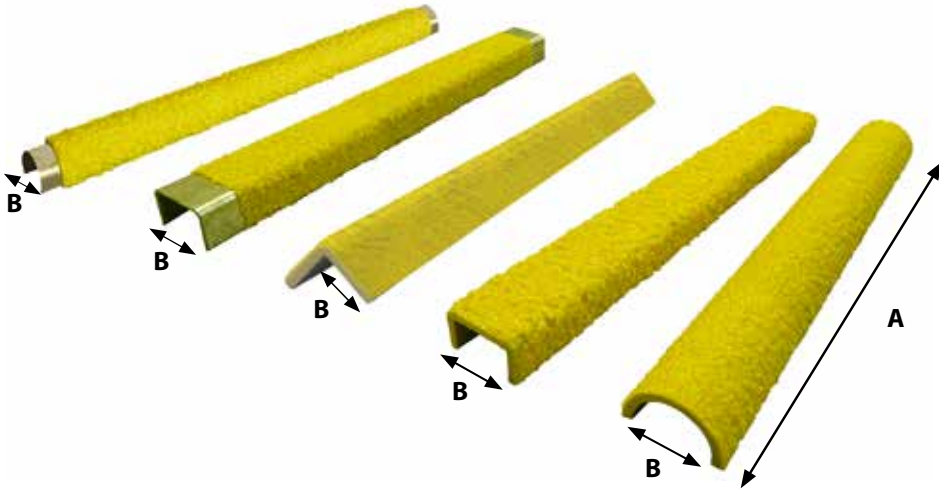


Hi-Traction® Anti-Slip Ladder Rung Covers



Safeguard® Hi-Traction® Anti-Slip Ladder Rung Covers are not load-bearing but are installed over existing rungs. They provide long lasting slip-and-fall protection in challenging indoor and outdoor environments.

Custom sizes and styles are available. The length (A) is generally up to 2" (50 mm) shorter than the length of the rung. If complete rung coverage is desired, confirm that no obstruction (for example: a weld bead) will interfere with the seating of the rung cover.

BASE MATERIALS	THICKNESS
1/8" Pultruded Fiberglass (FRP)	0.125" (3 mm)
G90 Galvanized Steel, 18 g	0.05" (1.2 mm)
#316 Stainless Steel, 18 g	0.05" (1.2 mm)

MAXIMUM LENGTH (A)	STANDARD PROFILES - DIAMETERS (B)			
48" (1,200 mm)	Round FRP 	Round Steel 	Channel 	Angle

RECOMMENDED FASTENERS		
Adhesive Sikaflex 252 Sealant Sikaflex 221 	Self-Drilling Screws For hollow metal rungs	Tack Welding For steel rungs



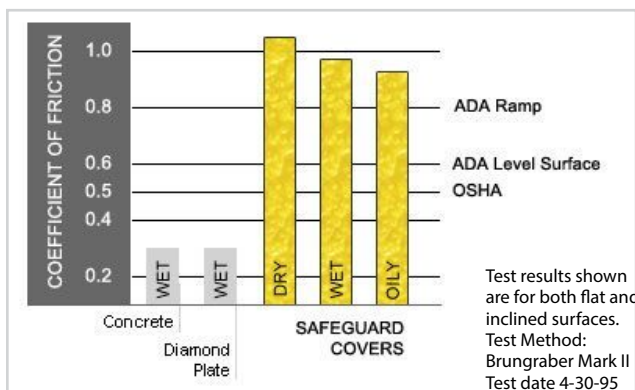
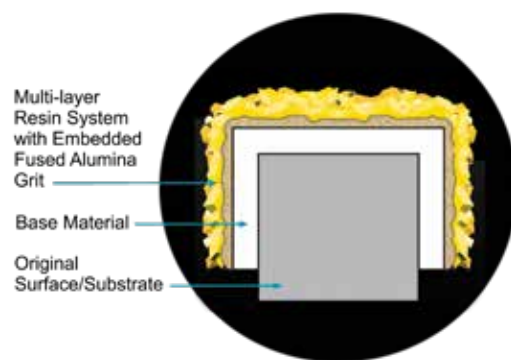
Recommended Fasteners

Select the appropriate fastener for the substrate to be covered. Most Ladder Rung Covers are installed using Sikaflex 252 adhesive. A combination of mechanical fasteners and adhesive may be used. Mechanical fasteners can be used on large diameter, channel shaped hollow rungs. For Stainless or Galvanized Steel Covers, tack-welding is an option. 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 ²
	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
Wear	FMVSS 302	Passed
	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
Impact	Approx. 138 Joules (17 lb. pendulum), 60°F	Slip resistant coating detached at point of impact only. No shattering occurred.
Thermal Shock	Range: -40°F to 150°F	After 20 cycles, visual inspection for cracking or melting revealed no sign of damage
Weathering	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	
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

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	Ipswitch Olive
Bainbridge Blue	Hudson Hunter
Grand River Gray	Brisbane Brick Red
PM Salmon	Ekriz 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. The photoluminescent pigment is incorporated directly into the Anti-Slip system that will last 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 Ladder Rung Cover, Step Cover, or Walkway Cover designates a safe walking zone.

