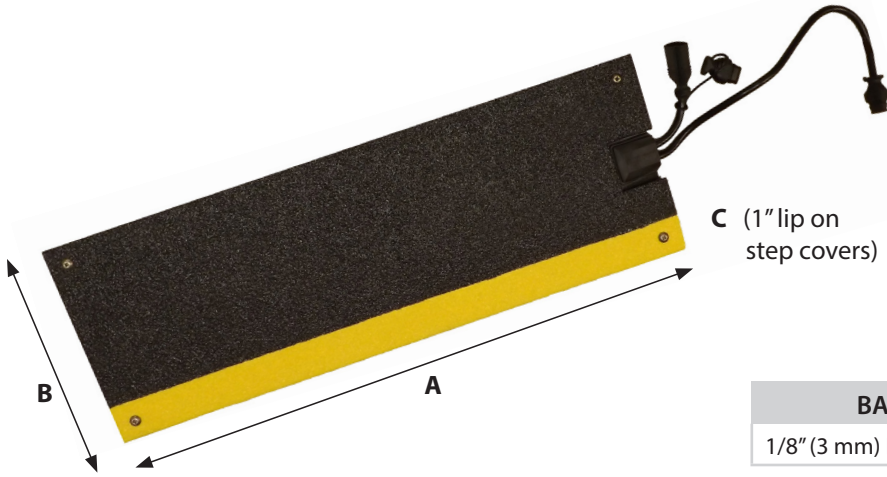


Heat-Traction™ Anti-Slip Heated Covers



Safeguard® Heat-Traction® Anti-Slip Covers keep steps and walkways safe and ice-free all winter. Install over existing stairs or paths to eliminate shoveling and the need for chemicals. Cover concrete, wood, metal, or bar grating. Choose from a variety of colors, grit sizes, and more. Heat-Traction Covers can stand alone or connect together, up to 13 amps on a single Power Unit. Plugged into a standard 120V outlet, they generate heat to melt snow at a rate of 2" (5 cm) per hour.

Each heated cover uses a PowerCord with a Ground Fault Circuit Interrupter (GFCI). Hi-Traction Anti-Slip covers have a 5-year warranty. Heating elements have a 2-year warranty. Available in the US and Canada only.

BASE MATERIALS

1/8" (3 mm) Pultruded Fiberglass (FRP)

STEP COVER PROFILES (C)

90° Angle



WATERTIGHT CABLES & CONNECTORS



GFCI Power Cord 72" (1829 mm)



Cable Extender 20" (508 mm), 10' (3048 mm), and 25' (7620 mm)

Each set of heated covers requires a GFCI Power Cord (up to 13 amps per cord)

Custom sizes available

STEP COVERS STANDARD SIZES (A x B x C)

STEP COVERS STANDARD SIZES (A x B x C)	Amps	Connector Cable Length
30-32" (762-813 mm) x 10" (254 mm) x 1" (25 mm)	0.7	22"
48-50" (1219-1270 mm) x 12" (305 mm) x 1" (25 mm)	1	22"

WALKWAY COVERS STANDARD SIZES (A x B)

WALKWAY COVERS STANDARD SIZES (A x B)	Amps	Connector Cable Length
20-23" (508 mm) x 60" (1524 mm)	2.5	4"
30-33" (762 mm) x 60" (1524 mm)	3	4"
20" (508 mm) x 30" (762 mm)	1.2	4"
30" (762 mm) x 30" (762 mm)	1.7	4"

AVERAGE THICKNESS OF FINISHED PRODUCT

Base Material	Coarse	Fine	Extra Fine
1/8" Pultruded Fiberglass (FRP)	0.38"	0.37"	0.36"
	9.6 mm	9.4 mm	9.1 mm

PRE-DRILLED HOLES

#8 screws



7/32" (5.55 mm)

#10, #12 screws



9/32" (7.14 mm)

1/4" bolts



3/8" (9.52 mm)

Custom size holes, slots, and placements are available

Placement of grommet holes on heaters can vary. Align these holes with each cover as holes are drilled. Pre-drilled holes will be aligned with the grommet holes in the heater; match each cover to its corresponding heater.

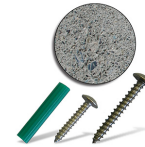
RECOMMENDED FASTENERS

Wood



Self-tapping/drilling screws

Concrete



Masonry screws and anchors

Solid Metal



Nuts, bolts, pop rivets, and self-drilling screws

Bar Grating



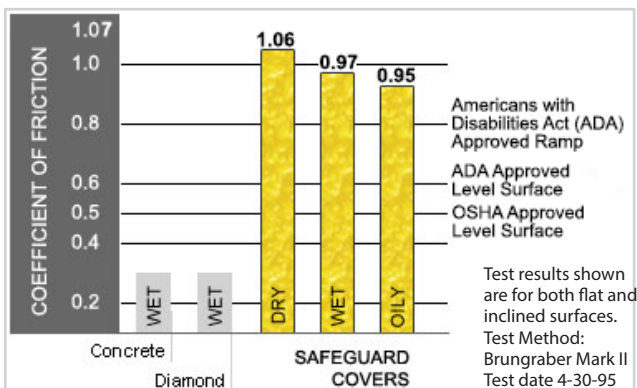
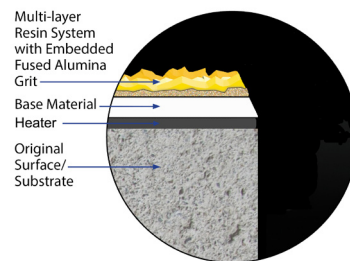
Saddle clips, nuts, and bolts

Select the appropriate fastener for the substrate to be covered. Fender washers recommended.

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



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

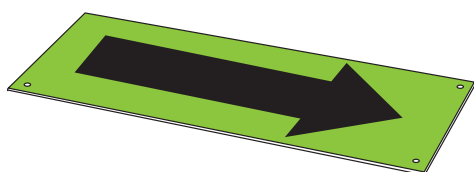
GRIT SIZES	
Coarse	#20 Mesh
Fine	#24 Mesh
Extra Fine	#36 Mesh

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 0.93 Watts/cm ² (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	ASTM E662 NFPA 258	Passed
Wear	ASTM E84	Passed
Wear	FMVSS 302	Passed
Wear	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.

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	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. 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 nosing of a Step Cover calls attention to the leading edge of a stair. On the perimeter of a Walkway Cover, it designates a safe walking zone.

