Fall-Prevention Equipment Brochure
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High-Quality Equipment + World-Class Service

Call Today
800-635-0384
Perimeter, Skylight and Fall Protection for Every Job

Contractors face inherent danger when working on roof decks, which makes fall-prevention and fall-arrest equipment must-haves for any commercial or industrial roofing project.

Garlock safety equipment is built to provide rock-solid protection for your crew. Hy-Tech is an authorized distributor of Garlock’s full line of reliable, versatile safety equipment, including:

- Perimeter roof protection systems
- Warning line systems
- Skylight / hatch protection systems
- Fall protection carts

Contact Hy-Tech Products

If you have questions about Garlock safety equipment or would like to purchase, please contact us at 800-635-0384 or info@hy-techroof.com. If you would like to learn more about other fall-protection equipment, such as harnesses, ropes and lanyards, please visit www.Hy-TechRoof.com.
Perimeter Fall-Protection Systems

Call Today
800-635-0384
OSHA-Compliant Perimeter Protection

Perimeter protection systems are designed to reduce the threat of falling by providing **sturdy protection along the entire roof perimeters**.

Garlock perimeter protection systems are reliable, high-quality and OSHA-compliant. Each is designed for quick installation around different fall hazards, and easy transport to and around job sites.

- Turbo-Rail Fall Protection Railings—pg. 7
- Railguard 200 Protective Rail System—pg. 9
- Fall-Ban CableGuard Railing System—pg. 13
- LadderGuard System—pg. 16

OSHA guidelines established by the federal government mandate that guardrails be able to withstand “**200 lbs. of force applied within two inches of the top edge, in any direction and at any point along the edge**,” as well as 150 lbs. of force along the mid rail.
Turbo-Rail Fall Protection Railing System

The Turbo-Rail Fall Protection Railing system is a fast and easy way to eliminate roofing project fall hazards. Simply clamp the Turbo-Rail brackets onto a parapet wall or concrete slabs, and then slide the stanchions and cross railings into place to create a safe perimeter.

With adjustable heights, rigid and telescoping rails, and combination clamp-on or screw-down railing bases, the Turbo-Rail delivers unmatched customization.

**Features**

- Meets all OSHA regulations for fall protection railings
- All heavy-duty steel construction
- Flexible clamps that work on parapet walls and slab floors 4- to 24 in. thick
- Adjustable railing height stanchions
- Clamp design fits to box gutters, and protects sensitive and decorative copings
- Packaged in a secure carrier easily moved with a forklift, crane or roofing cart
- Creates clean sight lines on building exteriors
2 Turbo-Rail Kits Sizes Available

320-ft. Kit
- (56) 10 ft. railings
- (8) 5-8 ft. adjustable railings
- (8) 330-48 in. adjustable railings
- (8) 3 ft. railings
- (2) Corner adaptors
- (36) Stanchions and clamps
- (1) Transport carrier
- Size (LxWxH): 125 x 21 x 18 in.
- Weight: 2,365 lbs.

100-ft. Kit
- (18) 10 ft. railings
- (2) 5-8 ft. adjustable railings
- (11) Stanchions and clamps
- (1) Corner adaptors
- (1) Transport carrier
- Size (LxWxH): 125 x 21 x 18 in.
- Weight: 925 lbs.
The Garlock RailGuard 200 Protective Rail System offers the **perfect, reusable, non-penetrating protection for roof edges**, hatches, HVAC units, vents and scrubbers.

The Garlock RailGuard 200 **qualifies as a Motion Stopping Safety Railing**, and can be used right on the roof edge for effective, OSHA-compliant fall protection.

**Features**

- OSHA-compliant
- Installation without the need for mechanical fasteners
- Variety of accessories (see pg. 11) providing flexibility so the RailGuard can be used for a number of different applications
- 3- and 4-sided systems available
- Easy installation
- Powder-coated, safety yellow finish, but custom color and galvanized finishes available
Installing the Railguard 200 is easy: Simply place the safety barrier base plates down on the roof, insert the railings and then pin together. You’ll never have to drill into the roof or anchor to the roof deck.

Railguard 200 components:

**Base Plates**, which provide mounting for 2 intersecting rail sections.
- Built-in carrying handle
- Built-in, toe-board receptacle
- Allows 45- and 90-degree rail turns
- Low profile to reduce trip hazard
- Narrow 3.25-in. gap between rails
- Weight: 90 lbs.

**Rail Sections** are 42-in. high, and available in three lengths: 10 ft., 7.5 ft. and 5 ft.
- Railing sections feature solid-bead welding, heavy-wall construction and super-tough, powder-coated safety yellow finish that will stand up to rough handling and provide years of durable protection.

**Quick Pins** secure the railing to the base plate. Simply slide the pin into the hole and clip it in place.
- Because quick pins are the exact size and perfectly aligned, the RailGuard 200 System is held straight, rigid and secure—even under a 200 lb. continuous load.
RailGuard 200 Accessories (sold separately)

**Centurion Service Cart**

Store, transport and hoist the Garlock RailGuard 200 system with the **Centurion Service Cart**. This cart offers a place for everything, including: 7 rails, 8 bases, toeboards, quick-pins, speed boards and base transporter.

The Garlock Centurion Service Cart also comes with **flat-proof tires**, guaranteeing it is always ready to go when you are.

**Base Transporter**

Easily move Railguard 200 base plates, which weigh 90 lbs., using the Base Transporter. This specialized two-wheel dolly eliminates the need to physically carry base plates from the storage cart or pallet to their location along the roof perimeter or fall hazard.
Invisi-Rail Adaptor

With Invisi-Rail, you can install RailGuard 200 protective railings to eliminate fall hazards when personnel are working on the roof, but then hide the railings out of site when not needed.

Simply secure the Invisi-Rail adaptor to the Railguard 200 railing posts, and then insert the other ends of the Invisi-Rail posts into the guardrail bases. Now your railing will fold down to 8 in. above the roof surface.

Still completely free-standing, easy to set up and OSHA-compliant, the Invisi-Rail is the best all-around solution for protecting personnel while maintaining the clean look of the building exterior.

Adjustable Width, Self-Closing Gate

Ideal for frequently used roof ladder or hatch openings, the RailGuard 200 spring-loaded, self-closing gate protects against these openings being inadvertently left unprotected while not restricting access.

This OSHA-compliant gate is available in a variety of widths, including 16-24 in., 24-46 in. and 48-60 in.
Fall-Ban CableGuard Fall Protection System

The Garlock Fall-Ban CableGuard Fall Protection System creates a secure perimeter around a roof edge using high-tension cables.

The Fall-Ban System sets up quickly and remains in position for the duration of your roofing project. Its cable is secured in place using stanchions that attach to the roof edge. These stanchions are designed to attach to three different roof types:

- Flat commercial roofs
- Overhang roofs or gutters
- Parapet walls

**Features**

- Stanchions can be positioned up to 20 ft. apart
- Quick set up—install 120 ft. an hour
- System won’t interfere with roofing work
- Satisfies OSHA requirements
- Reduces the need to be tied off
- Works on a variety of building structures
- Much stronger than wood-framed systems
- Available transport cart keeps system organized, and is easy to hoist and move
- Lightweight and easy to set up
- Reusable
Fall-Ban CableGuard Fall Protection System (Con’t)

3 Standard Kits Sizes Available

60-ft. Flat Commercial Kit

*Intended for straight-run applications like roof loading areas*
- 4 stanchions
- 1 cable spool
- All necessary braces, flags and hardware

200-ft. Flat Commercial Kit

*Intended for straight, L-shaped or complete rectangular applications*
- 11 stanchions
- 3 cable spools
- All necessary braces, flags and hardware

400-ft. Flat Commercial Kit

*Intended for straight, L-shaped or complete rectangular applications*
- 21 stanchions
- 6 cable spools
- All necessary braces, flags and hardware
Fall-Ban CableGuard Accessories

**Fall-Ban Storage Cart**

Keep the cables and stanchions of your Fall-Ban CableGuard Fall Protection System organized and ready for the next job on this specially designed storage cart.

The cart holds a complete 400-foot system, and can easily be hoisted onto a roof with all necessary fall-protection supplies in tow.

The Garlock Fall-Ban Storage Cart also comes in a model that includes a Cobra Fall Protection Package. See page 36 for more details.
LadderGuard System

With the LadderGuard system, you don’t have to spend thousands of dollars to install railing systems on either side of the roof ladder. Instead simply clamp the LadderGuard in place.

The Garlock LadderGuard system easily attaches to permanent ladder rails in minutes.

Extending 6 ft. onto the roof, the LadderGuard system creates an OSHA-compliant safety barrier that prevents workers from stepping too close to the roof edge. In addition, it is designed as a non-penetrating solution, alleviating the concern of roof deck damage or punctures.

The LadderGuard works with flat-edge roofs and parapet walls, and attaches to either round or flat ladder rails. Its lightweight design (only 70 lbs.) makes it easy to transport on and off a roof deck.

Optional features include a self-closing gate and different color options.
Warning Line Systems to Mark Hazardous Areas

Garlock’s warning line systems provide visual markers near roof edges, and around skylights, open hatches or any other fall hazards.

Please Note: These warning line systems are simply designed to alert contractors of potential hazards, not create a physical barrier between the two.

- Sentinel Flat-Base Warning Line System—pg. 19
- Guardian Folding Line Warning System—pg. 20
- Everlast Permanent Warning Line System—pg. 21
Sentinel Flat-Base Warning Line System

The Garlock Sentinel Flat-Base Warning Line System is designed to serve as a visual warning of roof perimeters and other hazards, such as skylights, hatches or hot kettles.

System comes with:

- 4 stanchions
- 4 bases (26 x 26 in.)
- 100 ft. of yellow flagged line (flags are rated at 690 lbs. tensile strength)

Each stand weighs 42 lbs. The total system stands 42.75 in. tall and weighs 172 lbs. A removable pin allows the stanchion posts to be quickly separated from the flat base for easy transport and storage.

Satisfies OSHA requirements: Each stanchion features an OSHA standards decal on the base to serve as a friendly reminder during setup.
Guardian Folding Line Warning System

Portable and easily set up in minutes, the Garlock Guardian Folding Warning Line System provides a visual warning of dangerous areas around the roof deck and job site.

**Standard system comes with:**

- 3 stanchions
- 100 ft. of flagged line
- Built-in reel that holds up to 300 ft. of flagged line
- Built-in stanchion handles for easy carrying
- Guardian transporter that holds 9 stanchions
- Optional rubber feet, which work well over standing-seam roof decks

Each stanchion is 39.5 in. tall and weighs only 39 lbs. Each base/stanchion combination covers an area 48 x 45 in. The line that links the stanchions has flags every 6 ft. to mark open areas, while the cord itself has a tensile strength of 657 lbs.
The Everlast Permanent Warning Line System is the perfect no-maintenance, visual warning line system for the permanent demarcation of hazardous areas. Install it as a way to permanently section off hazard areas of a roof.

Installation is quick and easy, simply attach a baseplate every 25-30 ft., insert the stanchion, and then connect the cable.

Features

- Heavy-duty base plates
- Plastic-coated cable
- Metal or high-density plastic pennants

Choose a powder-coated safety yellow finish or galvanized finish.
Skylight & Hatch Protection Systems

Call Today
800-635-0384
Comprehensive Protection for Skylights and Hatches

Skylights, hatches and other open areas on a roof can pose a serious danger to workers if precautions are not put in place to keep contractors from tripping and falling into them.

Garlock offers a range of skylight and hatch protection systems, all of which are OSHA-compliant. This safety equipment is designed to set up around or over these hazards, keeping contractors safe while at the same time protecting these building structures against damage.

- Railguard 200 Hatch and Skylight Kits—pg. 24
- CageGuard Skylight Protector —pg. 25
- Sky-Dome Skylight Life Protector—pg. 27
- ScreenGuard Skylight Guard—pg. 29
RailGuard 200 Skylight and Hatch Kits

Complete with four rails, bases and the necessary quick pins, RailGuard 200 Skylight and Hatch Kits combine all the benefits of the RailGuard 200 into a guardrail solution for your skylights and roof hatches.

The RailGuard 200 Skylight Kit and the RailGuard 200 Hatch Kit are OSHA-compliant, able to withstand up to 200 lbs. of force, and do not require tools or fasteners to assemble.

Setup takes minutes, and does not require mechanical fastening to the roof membrane, alleviating the concern of unnecessary damage to the roof deck.

RailGuard 200 railing lengths are available in 5-, 7.5- and 10-ft. lengths, so when speaking to a Garlock representative, make sure to have the outside diameter of your skylight or hatch available to ensure you get the properly sized kit.
CageGuard Skylight Protector

The CageGuard Free-Standing Skylight Protector is a free-standing skylight and temporary roof opening fall-prevention system that eliminates the need for mechanical fasteners.

This lightweight, OSHA-compliant skylight protector can be installed in under an hour — without support from specialty contractors.

It also offers adjustable leg height and can withstand winds up to 114 mph. Open side profiles allow for unimpaired access to the skylight for repair work and maintenance.

For areas prone to high winds, optional slip-on stack plates (see right) are available and add another 18 mph of wind resistance per layer of plates — four layers exceed the wind rating for a Category 5 hurricane. In addition, an optional 108 lb. cast-iron base plate offers another no-touch, heavy-duty mounting option with the highest wind rating available.

Depending on your needs, a variety of color and size options are available.
CageGuard Skylight Protector (Con’t)

Features

- Free standing design eliminates the need to mechanically fasten to a roof membrane
- Low-profile design for aesthetic appeal
- Adjustable height
- Fits openings up to 10 x 10 ft.
- Quick installation (less than an hour)
- Meets OSHA fall-protection standards
- Wind rated at 114 mph — with models available up to 200 mph
- Clamp-on models also available for greater wind resistance
- Modular design allows for lightweight transport to job sites and cost-effective shipping

The standard Garlock CageGuard Free-Standing Skylight Protector is safety yellow, but is available in a variety of powder-coated colors.

The CageGuard is available in a variety of sizes up to 10x10 ft. When calling to order, have the dimensions of your skylight available (see right).
Install a comprehensive skylight guarding system in a matter of minutes — just set it in place and walk away.

The Garlock Sky-Dome Skylight Life Protector is a low-cost solution that is completely free-standing, lightweight and quickly installs without any mechanical attachment to the skylight or roofing surface.

It is ideal for permanent installations, yet is lightweight enough to be moved and transported from job site to job site, or skylight to skylight as work progresses.

In the event of a tripping or falling near a skylight, the Sky-Dome’s rigid design prevents workers from ever landing on the glass, protecting them and the skylight.

At the same time, open side profiles allow for convenient access to the skylight for repair or maintenance work.

Open side profiles allow contractors to work on a skylight while keeping the Sky-Dome in place.
Sky-Dome Skylight Life Protector (Con’t)

Features

- Completely freestanding—requires no mechanical attachment to the roof or skylight
- Low-profile design makes it invisible from ground level
- A one-piece design on most sizes eliminates the need for on-the-job assembly
- Easily stackable for convenient transport and hoisting
- OSHA 1926.501 (b)(4), OSHA 1910.23 (a)(4) and (e)(8) compliant

A non-penetrating tether system is available for areas that may experience Category 3 (up to 111 mph) or higher hurricane winds. It creates a semi-permanent connection between the skylight and Sky-Dome Protector.

The Sky-Dome is available in sizes up to 6 x 12 ft. When calling to order, have the above dimensions available.

The Sky-Dome comes in either a hot-dipped galvanized finish, or powder-coated finish with a variety of color options—safety yellow standard.
ScreenGuard Skylight Guard

The Garlock ScreenGuard clamp-on skylight screen offers secure attachment to your skylight frame without mechanical fasteners that could otherwise compromise the skylight structural integrity and increase the risk of leaks.

The ScreenGuard system is one of the strongest skylight protectors on the market today, exceeding the OSHA requirement of withstanding a 200 lb. load, and even the California OSHA requirement of a 400 lb. load.

In the event of a fall, the rigid ScreenGuard design prevents workers or the guard itself from ever contacting the skylight glass. This protects faller and anyone underneath the skylight from injury.
ScreenGuard Skylight Guard (Con’t)

Features

- Fast Installation
- Complete skylight protection
- OSHA compliant
- Compression fit fasteners
- Non-penetrating design
- Low-profile, unobtrusive design
- Modular design is easy to handle and install
- Hot-dipped galvanized finish

Available Sizes and Load Ratings

- 2’ x 2’ — 500 lbs.
- 2’ x 3’ — 500 lbs.
- 3’ x 3’ — 500 lbs.
- 3’ x 4’ — 500 lbs.
- 4’ x 4’ — 500 lbs.
- 4’ x 5’ — 500 lbs.
- 4’ x 6’ — 400 lbs.
- 4’ x 7’ — 400 lbs.
- 4’ x 8’ — 300 lbs.

The ScreenGuard is available in sizes up to 4 x 8 ft. When calling to order, have the above dimensions available.
Fall-Arrest & Fall-Restraint Carts

Call Today
800-635-0384
Secure Your Crew Near Roof Edges

When your crew is working near the roof edge, they must be tied off to an OSHA-approved fall prevention system.

Garlock fall-arrest and fall-restraint carts are designed to provide secure anchorage to those working on the roof edge, and yet provide mobility so contractors can always have an compliant anchor point directly behind them.

- Cobra Life-Link Multi-Man Fall Protection Cart—pg. 33
- Cobra Twin-Man Mobile Fall Protection Cart—pg. 34
- Fall-Ban Storage Cart w/ Cobra Fall Protection Package—pg. 36
Cobra LifeLink Multi-Man Fall Protection Cart

The Garlock Cobra LifeLink Multi-Man Fall Protection Cart is an OSHA-compliant mobile anchorage cart designed to protect roofers when doing leading-edge work on elevations of 6 ft. or higher.

This innovative product provides fall restraint—preventing a person from reaching a fall hazard—for up to two workers or fall arrest—stopping a person after they’ve fallen—for up to three 301 lb. workers. As a fall-arrest anchor, it complies with OSHA 1926.502 (d).

No substrate penetration is required and the cart can easily move as the contractors progress around the roof.

The Cobra LifeLink Multi-Man cart is approved for the following substrates:

- Built-up roofing systems (BUR)
- PVC/TPO/EPDM fully adhered and loose-laid membranes
- 20-gauge and 22-gauge metal decks
- Adhered plywood and hardwood decking
- Adhered ISO/EPS insulation board
- 4,000 PSI lightweight concrete (2-person fall arrest ONLY)

In the case of a fall-arrest event, the Cobra Claw is instantly activated, grabbing the roof substrate and locking the cart in place.
Cobra LifeLink Twin-Man Fall Protection Cart

The Cobra LifeLink Twin-Man Fall Protection Cart provides an arrest or restraint tie-off point for one contractor.

The cart can be easily moved around the job site, offering maximum freedom of movement while meeting OSHA fall arrest requirements.

Its modular design makes transport easy—whether in a pickup, up an elevator or through a doorway—ensuring you have protection where and when you need it.

This cart is available with two different types of weights:

- **Steel**: Six 90 lbs. weights or ten 54 lbs. weights
- **Concrete**: Six 90 lbs. weights or ten 54 lbs. weights
Cobra LifeLink Twin-Man Fall Protection Cart (Con’t)

Features and Specifications

- 4.10 x 3.50-in., flat-free tires
- Measures 50 x 30 x 16 in.
- Fall-arrest rated and fall-restraint rated for one person
- Comes with steel or cement counterweights
- Weighs 600 lbs. with weights

The Twin-Man Mobile Fall Protection Cart can be used on low-slope roof surfaces made of the following substrates:

- Built-up roofing systems (BUR)
- PVC/TPO/EPDM adhered membranes
- 20- and 22-gauge metal decks
- Adhered plywood and hardwood decking
- Adhered ISO/EPS insulation board
- 4,000 PSI lightweight concrete
Fall-Ban Storage Cart w/ Cobra Fall Protection Package

The Garlock Fall-Ban Storage Cart with Cobra Fall Protection stores a complete 400-foot Fall-Ban CableGuard perimeter system and acts as an OSHA-compliant fall-protection system. This means you can do more with less equipment. Your crew can store the fall-protection system and ensure fall-protection safety with one device.

Features and Specifications

- Holds an entire Fall-Ban CableGuard system
- Satisfies OSHA fall protection requirements
- Fall restraint for up to 2 workers
- Fall arrest for up to 3 workers
- Cable holder detaches for easy deployment/retrieval
- A storage box is built in to carry smaller Fall-Ban components
- Reel off up to 3 cables simultaneously for quick installation
- Measures 96 x 53 x 72 in.
- Weighs 1,750 lbs. full and 1,050 lbs. empty

Recommended for the Following Surfaces

- Built-up roofing (BUR) membrane
- Modified PVC/TPO/EPDM
- Ballasted EPDM
- Modified bitumen
- Metal (20 ga. & 22 ga. ONLY)
- Dens deck
- Hardboard
- Plywood
- Lightweight concrete
- Gypsum deck
- ISO
- EPS
Roofing Safety Equipment Checklist

Call Today 800-635-0384
Protect Your Crew Every Step of the Way

When on the work site, your crew’s safety is a top priority. This means using OSHA-approved safety equipment. In fact, it is **against federal law to leave areas like roof edges, skylights and other roof openings unguarded or unmarked.**

This makes having all the right safety equipment a top priority.

On the following page, we’ve outlined some of the **items roofing companies should consider when purchasing safety equipment.**

For additional information, or to purchase any of these items, contact Hy-Tech Products at 800-635-0384 or [info@hy-techroof.com](mailto:info@hy-techroof.com).
Roof Fall-Protection Equipment Checklist

Please note: Depending on the type of roofing project you are working on, required safety equipment may vary. Please consult OSHA and any other safety regulation board before beginning your project.

- [ ] Warning Line System
- [ ] Roof Perimeter System (Guardrails)
- [ ] Skylight / Hatch Protection System
- [ ] Ladder Protection System
- [ ] Fall Protection Cart
  - [ ] Fall-Arrest Rated
  - [ ] Fall-Restraint Rated
- [ ] Lifeline
- [ ] Shock-Absorbing Lanyards
- [ ] Full-Body Harness
Service & Support

Call Today
800-635-0384
World-Class Service & Support

In addition to offering a knowledgeable sales staff, Hy-Tech Products is a full service and repair center. We offer a state-of-the-art facility and experienced technicians needed to quickly troubleshoot, diagnose and repair your fall-protection and other roofing equipment to like-new condition.

As part of our world-class service, we offer:

- **Live Video Chat** — Connect with us from the job site. We can set up live video chats with you and your tools, remotely see what you see, quickly troubleshoot issues, and then recommend quick fixes or next steps.

- **Expertise** — Certified technicians employed full-time for immediate troubleshooting support.

- **Equipment** — State-of-the-art instrumentation and tools to run diagnostic tests, make repairs and recalibrate settings.

- **Preventative Maintenance** — With each repair, we also perform any necessary preventative maintenance to prolong the life of your equipment and help avoid future breakdowns.

- **Inventory** — We stock tools and parts onsite to streamline order shipment and repairs.

- **Rentals** — Rent a replacement tool while Hy-Tech repairs your broken one and avoid costly downtime.

Call Today: 800-635-0384
About Hy-Tech Products, Inc.

Roofing professional Ken Paine started Hy-Tech Products, Inc. in 1984 to provide reliable equipment and qualified, trustworthy support to the industrial and commercial roofing industries.

Today, Hy-Tech offers a range of quality safety equipment, hot-air tools, hoists, roof drains, powered on-deck equipment, and portable generators.

For more information on our Garlock safety equipment or other Hy-Tech roofing products, please call us at 800-635-0384 or email us at info@hy-techroof.com.

Call Today: 800-635-0384
Contact Hy-Tech Products

www.Hy-TechRoof.com

800-635-0384

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