

Kattsafe[®] Height access
and fall protection

NON-PENETRATING GUARDRAIL

GR34



PRODUCT OVERVIEW



The GR34 Non-Penetrating Guardrail system provides the highest level of passive safety for membrane and built up roof systems. The GR34 guardrail features a plastic coated, steel weighted base that sits up top of the roofing membrane resulting in a completely freestanding system that is OSHA compliant. GR34 bases and posts are positioned a maximum 10ft on center. This system is sold in kit form to ensure all components are included for seamless installation. Roof guardrail systems can be purchased by simply selecting the kit length(s) required, the number of corner kits, return kits, wall termination kits and ladder connection hardware kits. GR34 guardrail is simple and quick to install. The system can be easily customized on-site to suit specific site requirements.

Features

- Manufactured of high tensile aluminum
- Modular system facilitates infinite configurations
- Can be easily customized on site to suit application
- OSHA compliant



TECHNICAL SPECIFICATION

Material and dimensions

- Top rail: 2in extruded 6005-T5 aluminum profiled tube. 0.75lbs/ft
- Mid rail: 1-5/8in extruded 6005-T5 aluminum profiled tube. 0.40lbs/ft
- Splice joints: profiled aluminum tube
- Post: 2-1/4 x 1-1/2 x 1/8in extruded 6005-T5 rectangular tube. 2.70lbs
- Toe board: 4-1/4 x 1 x 3/32in extruded 6005-T5 aluminum channel. 0.70lbs/ft
- Hardware: all stainless steel
- Corner elbows: die cast aluminum. Top rail corner - 0.8lbs. Mid rail corner - 0.42lbs
- End caps: plastic caps
- Roof protective pads: 24 x 24 x 5/32in recycled rubber

Finish

All aluminum sections are supplied mill finish as standard. Safety Yellow option in stock. Custom colors are available

Layout and installation

- Railing height to be 42in when installed correctly. Distance between top rail and mid rail cannot exceed 19in
- Post spacing is a maximum of 10ft. Please note that in certain states, the maximum is 8ft
- A 90 degree return kit is required at the start and stop of any GR34 free-standing guardrail system regardless of length. This is typically 5ft in length. This geometry ensures the system meets the loads required per OSHA.
- The GR.PAD.EPDM Roof Protective pad is required under every base where there is no parapet or small wall.
- Bases should be positioned a minimum of 2ft from the roof edge where there is no parapet or small wall.

Compliance

The GR34 modular guardrail system is designed and manufactured to meet and exceed OSHA and ANSI regulations as applicable.

Product warranty

5 years from date of installation, subject to correct installation use and maintenance in accordance with manufacturer's specifications and recommendations with the exception of the weighted bases which have a warranty of 2 years. Extended warranty is available on a per project basis.