

Fiberglass Reinforced Polymer Handrail System

This lightweight, high-strength handrail system is easy to cut and install. It offers corrosion resistance, insulation, and impact resistance.



Overview

High-Performance FRP Handrail System

This Fiberglass Reinforced Polymer (FRP) handrail system is engineered for durability in demanding industrial environments. Utilizing advanced pultrusion technology, it combines high strength with a lightweight profile, offering superior corrosion resistance and non-conductive properties. It serves as an ideal, maintenance-free safety solution for walkways, platforms, and stairways in sectors ranging from chemical processing to power generation.

Technical Specifications

Material Composition

- Unsaturated polyester
- Fiberglass reinforcement

Available Colors

White • Green • Yellow • Grey

Available Polyester Types

O-phthalate, M-phthalate, Vinylallyl, Phenolic

Key Features

Performance Advantages

- Lightweight with high strength
- Corrosion resistant and rust-proof
- Antiflaming and insulation properties
- Non-magnetic
- Impact resistant
- Anti-skidding with slight elasticity
- Low maintenance requirements

Applications

Usage Scenarios

- Pedestrian walkways
- Grassland walkways
- Stair treads
- Slab bridges
- Industrial floors
- Operating platforms
- Gutter covers
- Guardrails and fences
- Shelving and isolation strips

Industry Applications

Chemical Industry, Power Plants, Nuclear Power Stations, Sewage Treatment, Smelting Plants, Salt Mines, Paper Mills, Packing Houses, Battery Factories