

GRP MOULDED GRATING

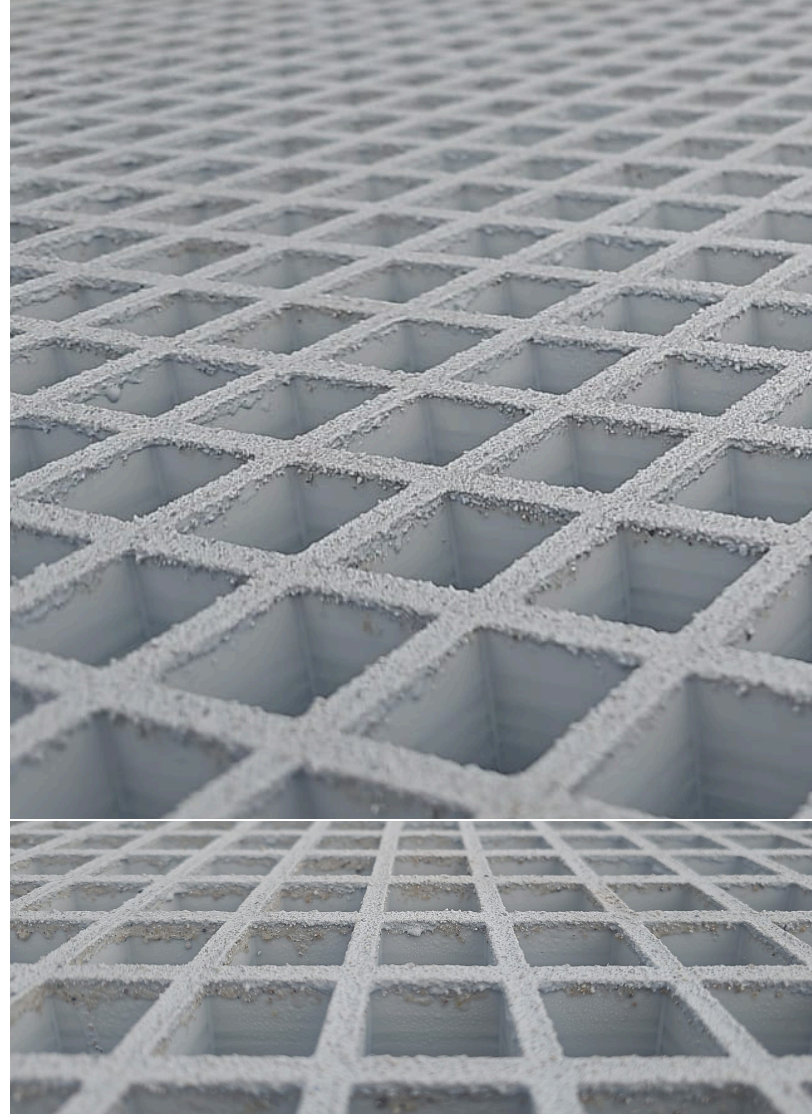
Moulded GRP (Glass Reinforced Plastic) gratings are engineered for applications in chemically aggressive and corrosive environments. Manufactured from isophthalic polyester resin reinforced with continuous glass fibres, these panels exhibit exceptional resistance to acids, UV radiation, and fire. Their non-magnetic and electrically non-conductive properties make them ideal for diverse industrial settings.

Characteristics

- **Corrosion and Chemical Resistance:** High resistance to acids, alkalis, and aggressive agents (ideal for most corrosion problems)
- **Electrical properties:** Non-Magnetic & Non-Conductive: Electrically insulating composite structure.
- **Weather Resistance:** UV & Weather Resistance: Stable under long-term UV exposure.
- **Corrosion:** No need for painting or galvanizing; long service life.
- **Lightweight:** +/- 4 times lighter than steel
- **Easy to Fabricate:** Panels can be cut and drilled on-site with standard tools.

Technical Specifications

- **Resin Type:** Isophthalic Polyester
- **Mesh size:** 38 mm x 38 mm
- **Bearing bar height:** 30 mm
- **Bearing bar thickness:** 7 mm (top) / 5 mm (bottom)
- **Anti-slip finish:** Concave side sanded (top)
- **Panel Sizes:** 1035 x 4040 mm
- **Density:** 1.60 gr/cm³
- **Tensile strength:** 183.56 N/mm²
- **Fire Rating:** EN 13501-1 (E CLASS)



Applications

- Industrial walkways, platforms, and stair treads
- Power generation and petrochemical plants
- Shipbuilding and marine facilities
- Agriculture and food processing plants
- Water and wastewater treatment plants
- Ventilation covers and drainage channels
- Fencing systems

Colours



GREEN



YELLOW



GREY

other colours upon request