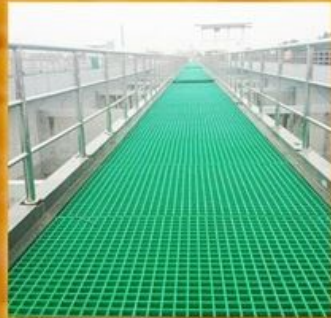


Fiber Reinforced Plastic



What is Fiberglass Reinforced Plastic (FRP) ?

MPCo FRP grating is a moulded, one-piece fiberglass reinforced plastic grating, available in standard panels or custom panels made to order from drawings supplied. It is principally used for floors, platforms, Stair treads, ramps, catwalks & trench covers.

MPCo FRP grating is composed of 65% resin and 35% continuous fiberglass strand. The standard panel is 2000mm x 1000mm.

Features

Corrosion and Chemical Resistant

Corrosion is a major problem within industries such as chemical, steel, food and beverage, water & wastewater, power and ... It is particularly designed to provide safe, long-lasting, economical and worry-free solutions in environments where chemicals and other corrosives attack metal, wood and similar materials.

MPCo FRP grating is composed of 65% resin and 35% continuous fiberglass strand. The standard panel is 2000mm x 1000mm.



Non-Sparking

Ideally suited for installations where combustible gases may be present. FRP will not cause sparking when impacted by metallic objects.

Non-Electrically Conductive

FRP is not electrically conductive. This makes it ideal for work platforms, flooring and fencing in electrically hazardous areas.





Applications



Features

Light Weight

FRP grating panels are light in weight, they can be easily handled without means of mechanical hoists or lifts.

Two Directional Load Bearing

Squared pattern moulded grating offers load bearing capacity in both directions.

Easy On-Site Fabrication

Standard FRP grating panels are ideal for on site fabrication. It is easy to cut with standard cutting tools to suit individual installations.

Cost Performance

FRP has a long life span with low installation costs.

High Strength-to-Weight Ratio

MPCo Grating is manufactured as a composite of continuous fiberglass strands and high quality resin. It is integrally constructed for strength, and is less than one-half the weight of steel grating allowing easy removal for access and installation with no heavy equipment and reduced manual handling risks.

Properly installed MPCo grating meets specified load requirements for steel and is more impact resistant than metal.





Applications

Markets

Oil and Gas

Water and Wastewater market

Food & Beverage

Chemical industry

Architectural & Commercial market

Telecommunications

Recreation market

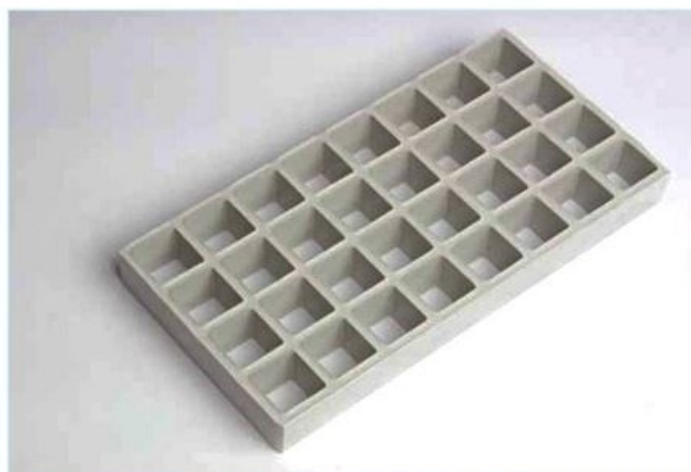
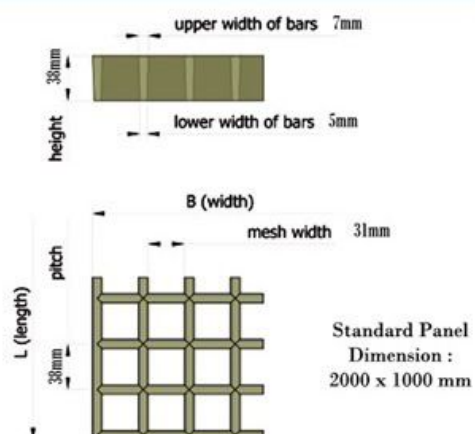


Load Table :

MPCo FRP Moulded Grating Load Table				Span (CM)					
Type	Height	Mesh	Loading	50	60	70	80	90	100
FRP-3038	30mm	38x38	uniform	450kg	370kg	325kg	300kg	275kg	250kg
		38x38	concentrated	350kg	300kg	250kg	200kg	180kg	150kg
FRP-3838	38mm	38x38	uniform	1100kg	1000kg	900kg	700kg	400kg	350kg
		38x38	concentrated	750kg	700kg	600kg	450kg	275kg	200kg

uniform load : Load values of evenly spread load (100*100 cm area)

concentrated load : Load values of single load centrally in an area of 200*200 mm





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