

**ARC
Pultruded
and
Moulded
Gratings**

ARC is one of the leading manufacturers of Moulded & Pultruded Gratings in India. ARC Gratings meet the highest international standards for its high strength, corrosion resistance, long life and safety. Manufactured from various carefully selected resin systems these gratings are designed to deliver many years of reliable service, outperforming the traditional materials. Light in weight and easy to install, a complete range of Moulded & Pultruded Gratings are available to satisfy various industrial needs, high load requirements, as well as small mesh grades to meet falling object requirements thus ensuring worker safety. Arc Gratings as well as stair treads, complimented with handrail systems enable complete access stairways and work platforms solutions.

FEATURES

CHEMICAL RESISTANCE

High resin content provides resistance to a wide range of chemicals.

ANTI-SLIP SURFACE

The coarse quartz grit finish when applied to the walking surface, provides excellent anti-slip performance.

FIRE RESISTANCE

Flame retardants are added to the resins to improve the fire resistance.

RESISTANT TO ULTRA VIOLET RADIATION

UV inhibitors are incorporated into the resin to reduce the effects of ultraviolet radiation. However, some loss of colour will occur on long exposure.

HIGH IMPACT RESISTANCE

FRP grating resists the effects of high impact loading which may superficially damage the surface but does not allow penetration.

HIGH STIFFNESS TO WEIGHT RATIO

High strength, with E-glass rovings moulded into a square grid grating pattern, provides a stiff and light flooring panel

suitable for foot traffic over a wide range of spans. See span/load/deflection tables for each grating pattern.

STIFFNESS IN BOTH DIRECTIONS

Due to the box pattern arrangement, FRP grating has load bar strength in both directions.

LIGHTWEIGHT PANELS

The lightweight nature of FRP grating allows for ease of handling compared with other materials.

NON ELECTRICALLY CONDUCTIVE

The non-metallic properties of FRP grating makes it ideal for electrically hazardous locations.

TRANSPARENT TO RADIO FREQUENCY

FRP grating does not cause any interference and is transparent to radio frequency transmissions.

NON SPARKING

FRP grating with plain and concave upper surfaces will not cause sparking when impacted by metallic objects.

COST PERFORMANCE

Compared to other materials, the use of FRP grating results in a long life product with low installation costs.

APPLICATION SECTORS

- Chemical Processing
- Food & Beverage
- Marine & Ports
- Oil & Gas
- Power Sector
- General Industry
- Buildings
- Construction
- Pharmaceutical
- Amusement
- Amusement
- Metals & Mining
- Pulp & Paper
- Recreation
- Telecommunications
- Shipping
- Transportation
- Water & Waste Treatment
- Architectural

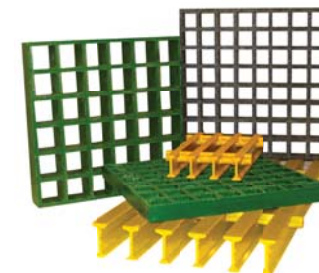


TYPES OF GRATINGS

- Anti-Slip Gratings
- High Load Capacity Gratings
- Solid Top / Covered Gratings

TYPICAL APPLICATIONS

- Flooring
- Platform & Walkways
- Assembly Lines
- Trench Covers
- Stairs
- Catwalks
- Drain Cover
- Ramps
- Greenhouse
- Shelving



ARC Moulded Grating Sizes and Specifications

Grating Thickness (mm)	Mesh Description (mm)	Bars/ ft	Panel sizes available (mm)	Weight kg/mtr ²	% Open Area
25.4	38.1 mm X 38.1 mm square	8	1220 x 3660	12.3	68
38.1	38.1 mm X 38.1 mm square	8	1220 x 3660	19.5	68

ARC Pultruded Grating Sizes and Specifications

ARC Model Nos.	Section	Section Dimension H X W X w (mm)	Open Area (%)	Maximum Permissible span (mm)	Weight (kg/sq mtr)
ARC PGI 4025	I	25 X 15 X 15	40	1200	18.3
ARC PGI 5025	I	25 X 15 X 15	50	1200	15.7
ARC PGI 6025	I	25 X 15 X 15	60	1200	13
ARC PGI 4038	I	38 X 15 X 15	40	1500	23.5
ARC PGI 5038	I	38 X 15 X 15	50	1500	20
ARC PGI 6038	I	38 X 15 X 15	60	1500	16.5

