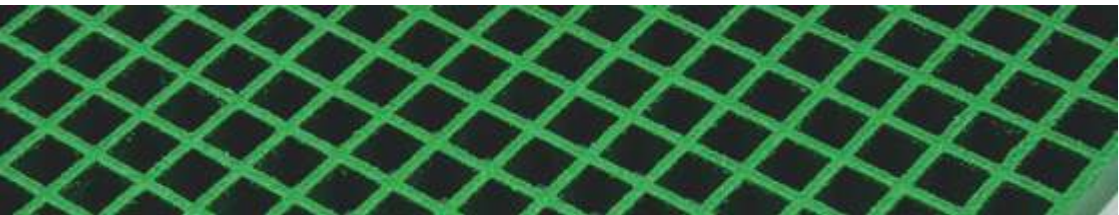


## **FRP / GRP GRATINGS**



**Composite Products Corporation**



## FRP/GRP GRATINGS

**Raj Builtcon** providing to design, Manufacturing and installation service for solar walkways, platform, drainage system compare to other conventional material. **Raj Builtcon** Grating provides lot of benefit like light weight, corrosion resistant, zero maintenance, quick and easy installation & many more advantages.

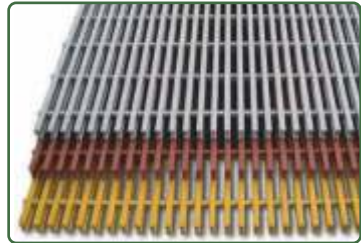
**Raj Builtcon** Grating is designed for Walkways, FRP Platform, decking cover in corrosive areas for superior load bearing, corrosive resistance, zero maintenance, quick and easy installation.

**FRP/GRP Grating is divided in two types**

### (1) Moulded Grating



### (2) Pultruded Grating



DESCRIPTION	CPC FRP GRATINGS	HOT DIP GI	STAINLESS STEEL
Cost of Life Cycle	Low	High	High
Life Span	High	Average	High
Ratio of Strength to Weight	High	Low	Low
Resistivity of Corrosion	Very High	Average	High
Resistivity of Chemical	High	Average	High
UV Protection	High	Average	High
Installation Cost	Low	Average	Average
Handling	Very Easy	Difficult	Difficult
Anti Slip	Available	N/A	N/A
Colour	Customise	N/A	N/A

## FRP/GRP MOULDED GRATINGS

**Raj Builtcon** is among leading FRP/GRP Moulded Gratings Manufacturers in India for their high strength, corrosion resistance, long life and safety.

Manufactured using ultra grade resin systems, our Fiberglass moulded gratings are specially designed to give optimum performance without compromising on quality. **Raj Builtcon** moulded gratings can be easily fabricated and installed.



### MOULDED GRATING

Item	Thickness (mm)	Bar Thickness (Top / Bottom)	Mesh Size (mm)	Pannel Size (mm)	Weight (Kg/m <sup>2</sup> )	Open Area (%)
	15	5.5 / 5.0	38 x 38	1222 x 3660	6.5	78
	20	6.0 / 5.0	38 x 38	1222 x 3660	9.8	65
	25	6.0 / 5.0	38 x 38	1222 x 3660	12.3	68
	30	6.5 / 5.0	38 x 38	1222 x 3660	14.6	68
	38	7.5 / 5.0	38 x 38	1222 x 3660	19.5	68
	40	7.5 / 5.0	38 x 38	1222 x 3660	20.5	68

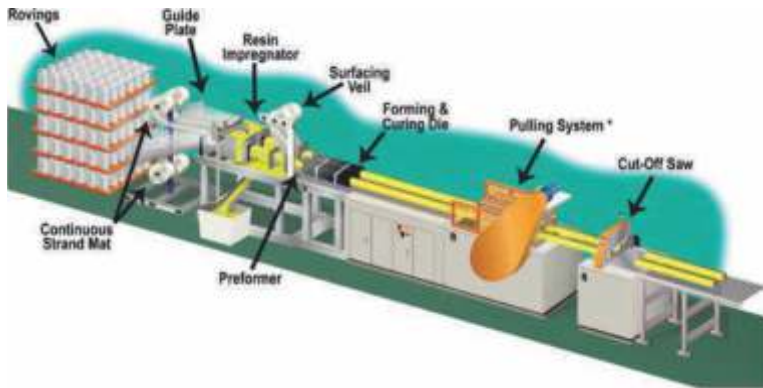


OPEN MESH



CLOSE MESH

## FRP/GRP PULTRUDED GRATING



**Raj Builtcon** FRP/GRP Pultruded grating offers a fast, safe and effective flooring solution to high load carrying capacity areas. Pultruded grating is manufactured by pulling glass-fiber reinforcement through a thermosetting polyester or isophthalic or vinyl ester resin bath. The thoroughly wetted-out fibers are then fed through a heated steel die to achieve the shape of the tool.

There are generally two components to a pultruded grating, 1) the Load Bearing Bar and 2) the Tie or Cross Bars. These cross-bars are generally from two different shapes to ensure an interlocking mechanism can be achieved.

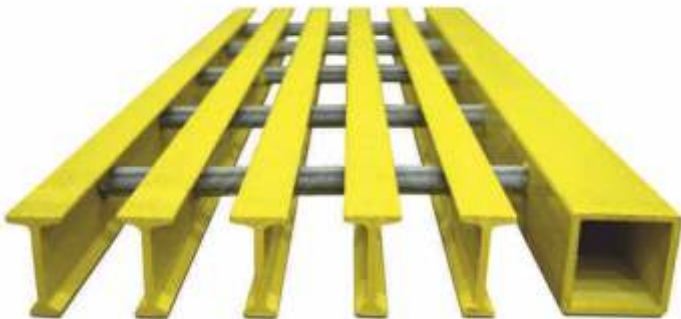
The Load bearing bars are drilled at approx. every 100 to 150mm centers to accommodate the interlocking cross bars. The cross bars are then fed through the load bars in a jig and bonded together to make the finished panel of grating.





# FRP/GRP PULTRUDED GRATING

Item	Height (mm)	Width (mm)	Centre to Centre (mm)	Open Area (%)	Space b/w Cross Rod	Weight/M <sup>2</sup> (Kg)
PG - I25 - 70	25	15	50	70	150	10
PG - I25 - 60	25	15	38	60	150	12
PG - I25 - 50	25	15	30	50	150	14
PG - I25 - 40	25	15	25	40	150	17
PG - I38 - 70	38	15	50	70	150	14
PG - I38 - 60	38	15	38	60	150	17
PG - I38 - 50	38	15	30	50	150	21
PG - I38 - 40	38	15	25	40	150	25



## WHY CPC FRP/GRP GRATING!!

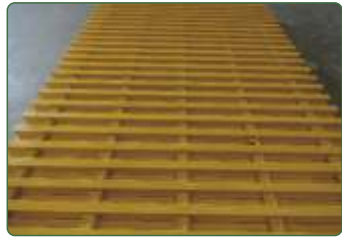
**Raj Builtcon** provide all types of services like design, manufacturing and installation as per customer requirement.

- Corrosion resistant: When compared with other materials like stainless steel, aluminium or galvanised steel, FRP/GRP has a very high resistance to most corrosive elements like chemicals, heat and moisture. It can be installed in outdoor locations as well as in hostile environments like a chemical Industries.
- High strength: FRP/GRP strength to weight ratio is high, that means despite its light weight it is incredibly strong.
- Light weight: FRP/GRP Grating are lighter than other material like steel or aluminium, This makes it easy to carry, bringing down the cost of installation. It also makes FRP/GRP easier to install.
- Non conductive : does not carry any electric current.
- Maintenance free: The Mould in FRP/GRP Grating is in-built and not painted. It cannot peel a ways. Its high resistance to most atmospheric factors makes it practically maintenance free.
- UV resistance : inbuilt UV resistance gives protection from direct sunlight.
- Antistatic: This is a useful quality when carrying Load. FRP/GRP's antistatic properties ensure that there is no outward static activity which can disrupt.
- Life Cycle : High resistance to environmental corrosion also makes FRP/GRP far more durable than other materials.
- Off shore: FRP/GRP has a high resistance to salt and water, making it ideal for off-shore installation. Other materials rarely last for long in such hostile conditions.



## TYPES OF TOP SURFACE OF FRP / GRP GRATING

Plain



Anti Slip



Chequered Plate



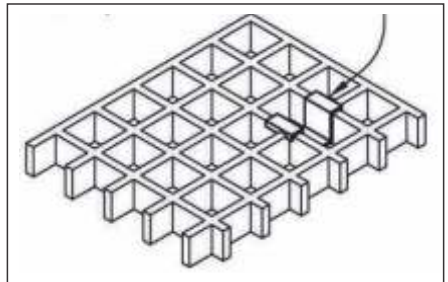
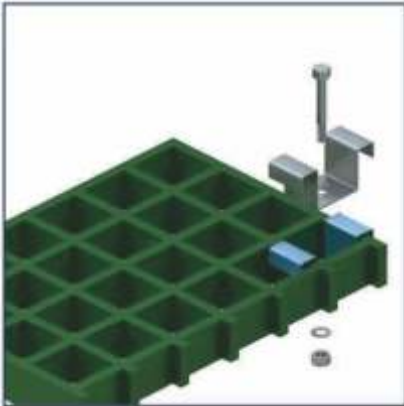
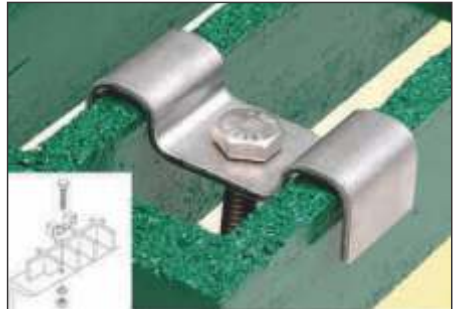
FR Grade



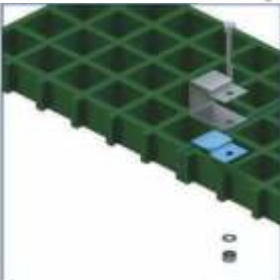
## ACCESSORIES FOR GRATING

Accessories are very important part of fixing & quick installation of grating. We design different types of clamp to used depends upon the application of end user.

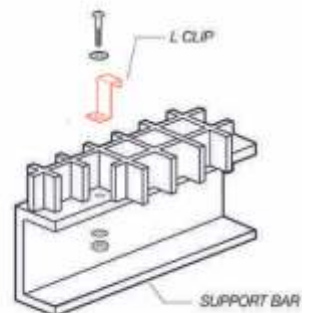
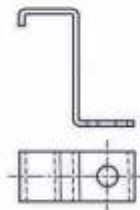
### M TYPE CLAMP



### C TYPE CLAMP



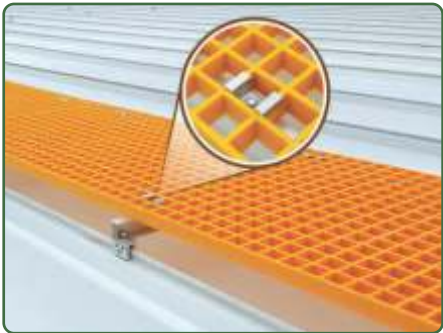
### L TYPE CLAMP





RESIN SELECTION CHART

RESIN TYPE	RESIN BASE	DESCRIPTION
Type I	Isoththalic Polyester	Industrial Grade Corrosion resistance in acidic environment
Type I-FR	Isoththalic Polyester Fire Retardant	Industrial Grade Corrosion resistance & fire retardant
Type V	Vinyl Ester	Superior Corrosion resistance
Type V-FR	Vinyl Ester Fire Retardant	Superior Corrosion resistance & fire retardant



## APPLICATION



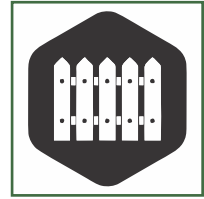
INDUSTRIAL



CIVIL



POWER PLANT



FENSING



WALKWAYS



MARINE



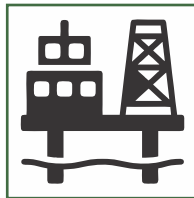
MINING



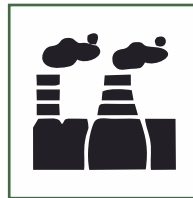
OFFSHORE



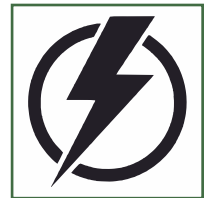
OIL-AND-GAS



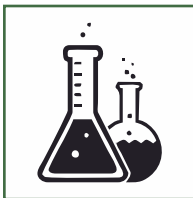
PLATFORM



POLLUTION  
CONTROL



ELECTRICAL



PROCESS



PULP AND  
PAPER



RADAR



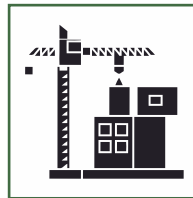
RAIL



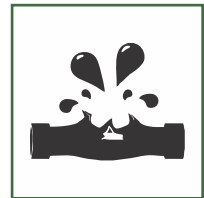
TRANSPORTATION



UTILITIES



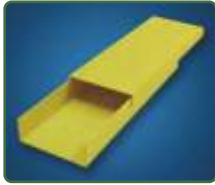
BUILDING AND  
CONSTRUCTION



WATER

## OTHER FRP / GRP PRODUCTS

### CABLE TRAY



### TANK



### SECTION



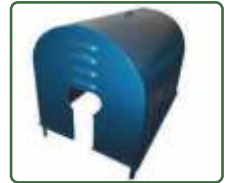
### GUTTER



### PIPE



### CANOPY



### SHEET



### MANHOLE COVER



### FENCING



### FIRE HOSE BOX




### POLE




**Note :** Addition to above products range we take challenges from customer for new innovative FRP/GRP products development as per their requirements.



*Be a part of the solution...  
not a part of the pollution...*

 **Factory** : Plot No 494, B/H J. S . Corrupeck,  
Village - Bautha. Taluka-Savli, Vadodara. Gujarat. INDIA.

 **Corsp. Add.** : A-205 Nishat complex. Opp Thiyosofical Society.  
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