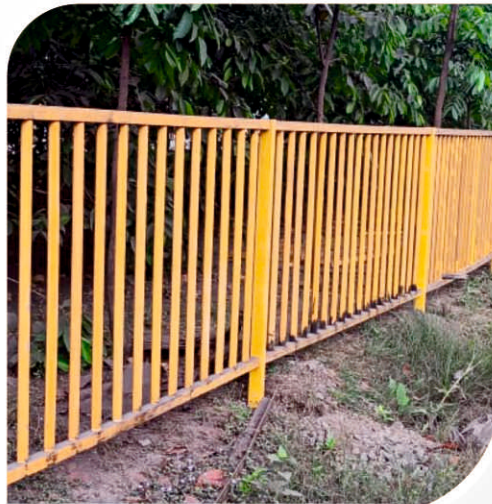
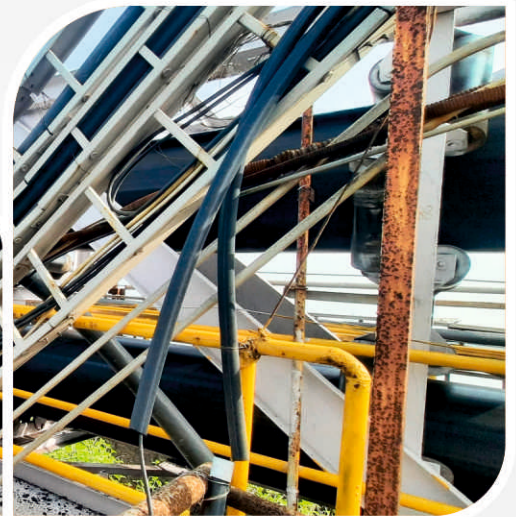


SOLUTIONS AGAINST CORROSION USING FRP

FGPL

Fibro Grats Pvt.Ltd.
ISO 9001 : 2015 CO.



ABOUT US

Focused to the needs of numerous process industries, FGPL is a one stop solution for all kinds of FRP products. With an experience of over 40 years & fostered by a team of skilled professionals, we are able to offer customised SOLUTIONS AGAINST CORROSION.

With almost 4 decades of experience, under the able leadership of Mr. Ashok Jain, 'Fibro Grats Pvt Ltd (FGPL)' was formed in FY10 initially to focus on gratings & later added all FRP business segments as part of FGPL to serve clients.

Since then, three pronged expansion strategy has been followed under which we have expanded product portfolio, geographical reach as well as target sectors to achieve rapid growth & help us position FGPL as one of the leading & reliable supplier of FRP products.

We are always ready to design, engineer & deliver customized solutions and do not shy away from trials where we may fail. We constantly improve based on client's feedback & never miss an opportunity to upgrade our solutions/products.

At FGPL we believe in bringing forth highest quality standards to our clients over 20 countries spread across INDIA as well as Europe, Africa & Asia Pacific. FGPL FRP products are manufactured with the aid of best quality raw material and innovative technology in compliance with global quality standards.

KEY FEATURES

Life 20+ years

Weather durability

Rust & Corrosion Proof

Easy Maintenance

Water Proof & UV Resistant

Smooth finish on both sides

Non Magnetic

Low thermal conductivity

Fire Retardant

Resistant to acidic & alkaline fumes

Light weight, ease of installation

High Mechanical, Tensile & Impact Strength

Permanent colour with wide choice

Advantages of FRP



Electrical Non
Conductivity



Ease of
Fabrication



Flame
Retardant



Less Environmental
Impact



Oil &
Gas



Fertilizer
Plants



Effluent
Treatment Plants



Pulp &
Paper



UV
Resistant



Low Life
Cycle Cost



Termite
Proof



Thermal Non
Conductivity



Paints &
Coatings



Telecommunication
Industry



Chemical
Plants



Food and
Pharmaceutical



EMI/RFI
Transparent



Light
Weight



High
Strength



Corrosion/Chemical
Resistance



Off
Shore



Refineries



Steel
Plants



Power
Plants

Application Segment

Comparison With Conventional Materials

DESCRIPTION	FGPL FRP	ALUMINIUM	GALVANISED IRON	Timber
Chemical Resistance	Excellent	Low	Low	Low
Life Span	Excellent	Good	Good	Low
Acid Fumes Resistance	Excellent	Low	Low	Low
Electrical Conductivity	Low	High	High	Moderate
Fire Retardant	High	High	High	Low
Corrosion Resistance	Excellent	Low	Low	Low
Strength to Weight Ratio	Excellent	Low	Low	Medium
Life Cycle Cost	Low	Moderate	Moderate	High
Rust Proof Features	Excellent	Excellent	Excellent	Excellent
Ease in Installation	Excellent	Moderate	Moderate	Easy
Environment Impact	Low	High	High	Low
Color Selection	Excellent	NA	NA	NA

LEADERSHIP TEAM



Mr. Ashok Kumar Jain
(Chairman)

He has 40 year's experience in the field of FRP / Composites. He is B.E. from SGSITS, Indore and has PG diploma in Management. His impeccable technical understanding, innovative approach in finding solutions against corrosion using FRP leads to development of new products, customized offerings to clients. This approach has been translated into important company value as well.



Mrs. Kanupriya Jain
(Director)

She is B.E. from SGSITS and has been instrumental in rapid growth of the organization in last few years. She is instrumental in bringing efficiency, quality & focus in manufacturing. She has 20 years' experience and has worked with L&T before joining the family business. As Director Operations, she manages engineering, design, production & quality aspects company value as well.



Mr. Tarun Surana
(CEO)

A qualified MBA, leads business development activities since 2013 with extensive travels to client sites and has played vital role in increasing presence of organization in several states across India. He brings diverse & rich experience of working in Finance & IT. His strong understanding of the world of Technology & Finance is great asset to organization.

FGPL's manufacturing facility: Dakachya at Indore



FRP Tanks & Vessels

FRP Vessels Custom designed & engineered to meet individual chemical & operating temperature requirements bring to forefront a robust construction that stands the test of time, even in the harshest conditions of usage. Exhibiting features of supreme chemical and corrosion resistance, withstanding high pressure and durability, these vessels are highly in demand by various industries.



SERVICE APPLICATIONS

Bulk Storage, Process & Reactions, Agitators & Mixers, Oil / Sludge Separators, Acid Dilutions Anodizing, Pickling, Electroplating, Scrubbing Ducts & Hoods Chimney

MATERIAL OF CONSTRUCTION

FRP (Polyester)
FRB (Bisphenol)
FRVE (Vinyl Ester)
FRSVE (Super Vinyl Ester)
PP/PPH FRP, PVDF FRP
Any other specific material of Polymeric nature

CAPACITY

Upto 500,000 liters

FRP Tanks & Vessels – Rectangular with siphon / partitions



FRP Tanks & Vessels



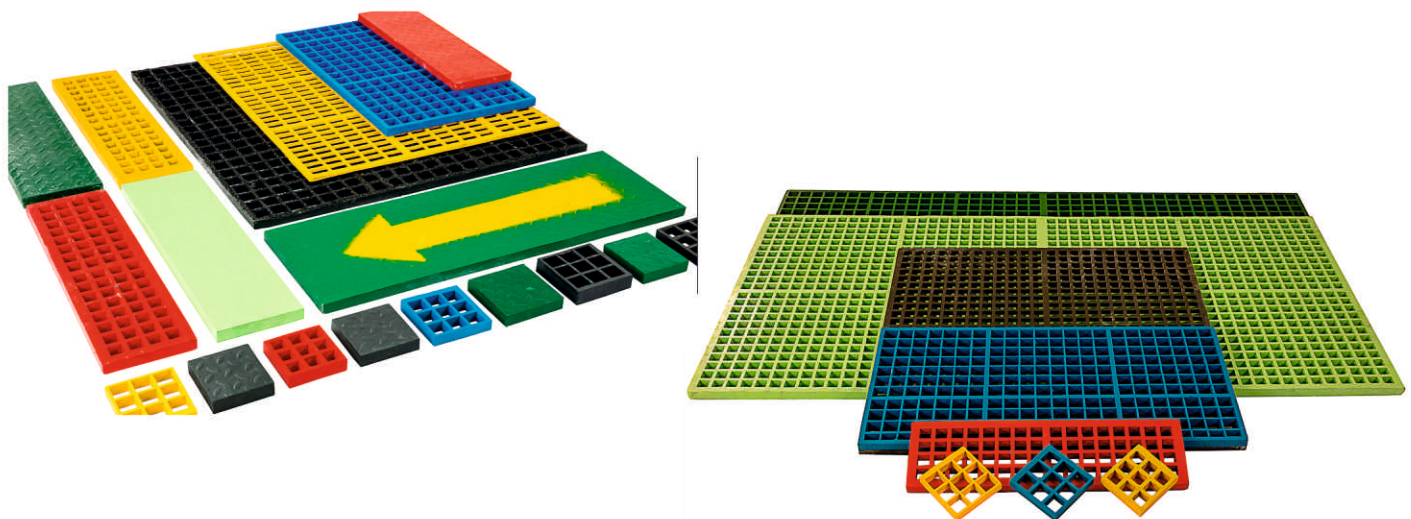
FRP Gratings – Widest variety available

FGPL grating is an integral construction with fibreglass rovings reinforced with unsaturated polyester resin. Generally termed as FGPL FRP Moulded Gratings, this finds applications in various corrosive environments & across various industries. FGPL & our sister concern has an expertise in manufacturing of these gratings for almost 15 years.

Thickness	Weight	MeshSize	Bar size (Corners)	Bar size (Centre)	Bar size (Throughout)	Open Area
mm	Kg/sqm	mm	mm	mm	mm	%
25	12.5	38X38	7	7	6	69%
30	12.5	38X38	7	7	7	69%
20	13	30X30	20	20	10	52%
25	16	30X30	20	20	10	52%
30	19	30X30	20	20	10	52%
38	20	38X38	7	7	7	69%

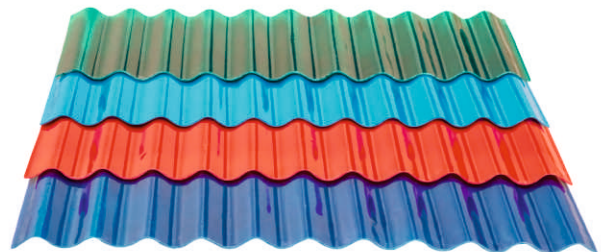
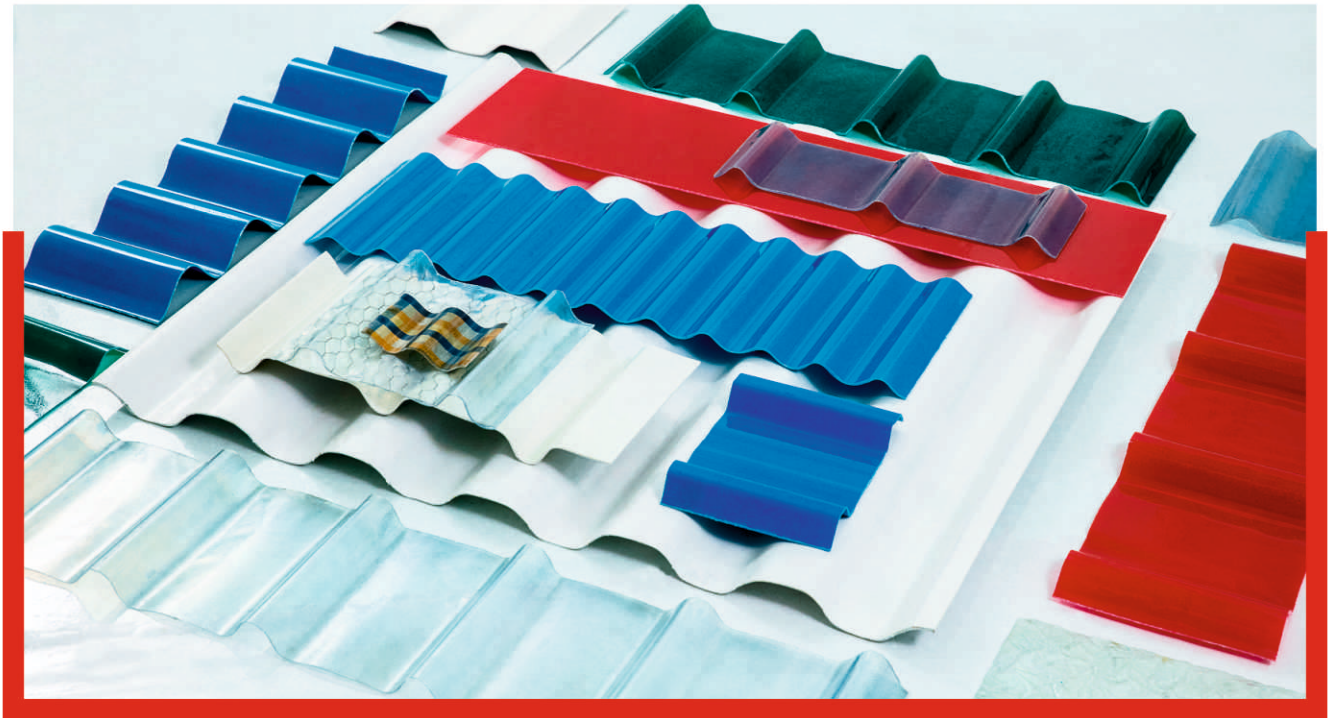
- Resins: PTA, Isophthalic , Vinyl Ester, & Bisphenol
- Types: Open, Covered
- Surface Finish: Smooth, Chequered finish, Gritted (Anti-Skid)

FRP Gratings



FRP Sheets

Fiberglass Roofing Sheets serve as superior substitutes for ordinary Plastic, Metallic and Asbestos Sheets for natural day lighting. These are manufactured by reinforcing Un-Saturated Polyester Resin with Glass to obtain exceptional mechanical, thermal and electrical properties. Today, Fiberglass Roofing Sheets are being widely used in Industrial Sheds, Warehouses, Commercial Buildings such as Hotels, Shopping Malls, Multiplexes etc. and Infrastructure Facilities such as Railway Stations, Airports, Ports, Metros and Flyovers for natural sky lighting.



Length

As per customers requirement subject to suitability of transportation

Thickness

1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm
any other as required

Profiles

All types of major available profiles & corrugated patterns & plain Sheets

Colours

Transparent or opaque in colours like blue, green, red or any other as required

Others

Fire retardant & UV Grade

FRP Cable Trays

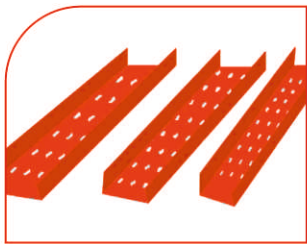
A Cable Tray System is a unit or assembly of units or sections & associated fittings forming a rigid structural system used to securely fasten or support cable & raceways.

Manufactured by continuous Pultrusion moulding process, Cable trays are a safe, dependable & cost effective solution to route & support cables.

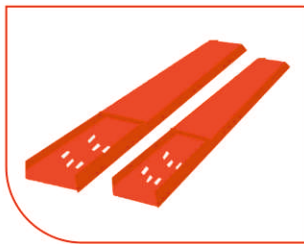


FRP Perforated Type Cable Tray

The channel type, solid bottom, pre-drilled cable trays are designed for light loads namely instrumentation and control cables and for transition from cable trays to individual control points.



WITHOUT COVER



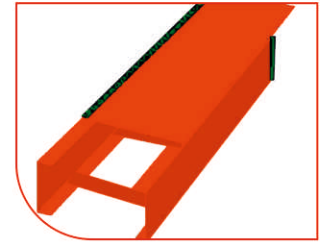
WITH COVER

FRP Ladder Type Cable Tray

Ladder Type Cable Trays are prepared by assembling different types of combinations of pultruded Cross Sections, Side runners and Rungs. The Rungs are epoxy bonded and fastened to demonstrate high strength against point, side and uniform loads.



WITHOUT COVER

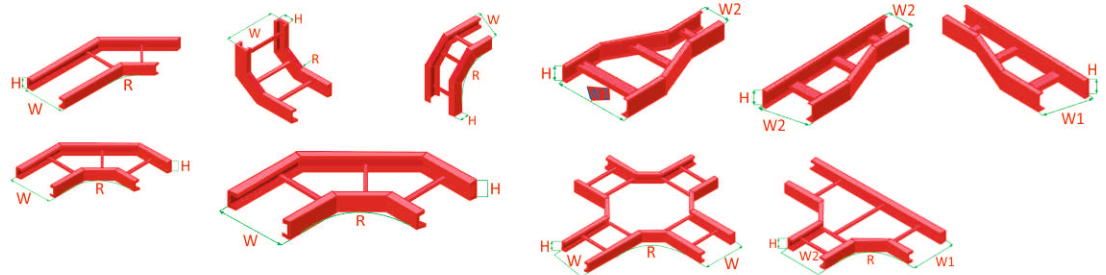
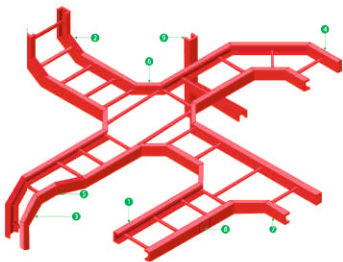


WITH COVER

Manufacturers of -

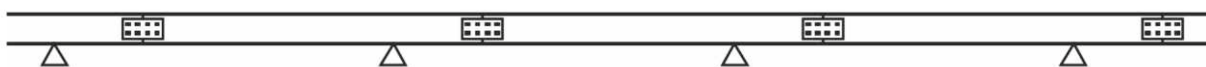
- Perforated & Ladder Type Cable Trays.
- Grey, yellow, green, red & any other colour as required.
- Accessories like reducers, risers, bends, cross & tee etc.

Cable Tray Assembly System & Tray Accessories

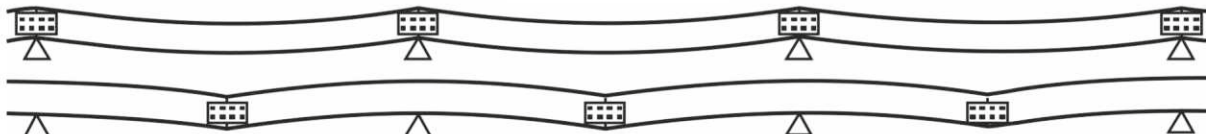


Support Location Guidelines

Correct

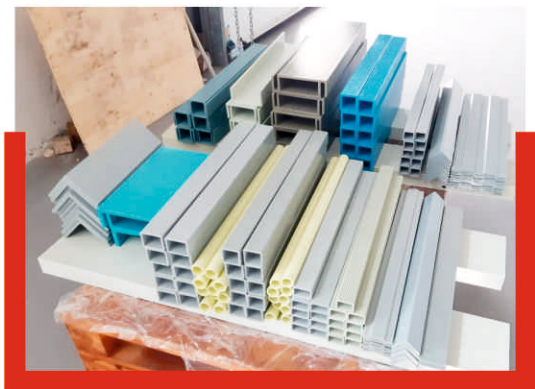


Incorrect



Pultrusion section/ profile

FRP or GRP structural Pultruded profiles are manufactured by Pultrusion process (machine made). These profiles are very light weight & easy to install. because of low maintenance & long life FGPL FRP Pultruded profiles offer a life cycle cost that is significantly lower than its counterparts.



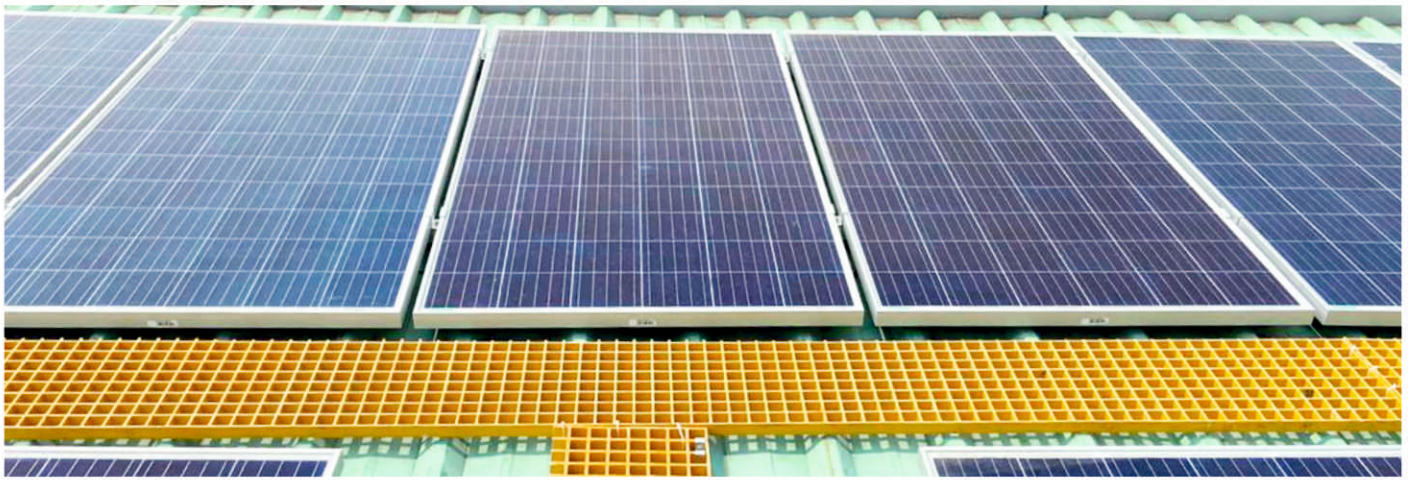
FRP Handrails

The profiles are manufactured by Pultrusion process (machine made) higher mechanical strength. These profiles are very light weight & easy to install. Because of low maintenance & long life, FGPL FRP handrails offer a life cycle cost that is significantly lower than its counterparts.



Solar Walkway

FGPL FRP Walkways designed & engineered to meet requirements of Solar plants across all the temperature & weather zones bring to forefront a robust construction that stands the test of time, even in the harshest conditions of usage. Exhibiting features of supreme strength, UV resistance & durability, these walkways are highly in demand across the Solar power industry.



Thickness
25mm, 30mm
38mm

Width & Length
W272mm L3660mm
W310mm L3660mm
Any other width & Length
on requirement

Accessories
SS M - Clamp,
SS C - Clamp

Others
UV Grade or
Fire Retardant
as required

FRP Fencing

- FRP Fencing in corrosive areas is suitable alternative compared to metal fencing
- FRP fencing does not require re-painting frequently & thus are maintenance free & lifecycle cost is much lower. Fencing can be customised for height & clear gap as per requirements

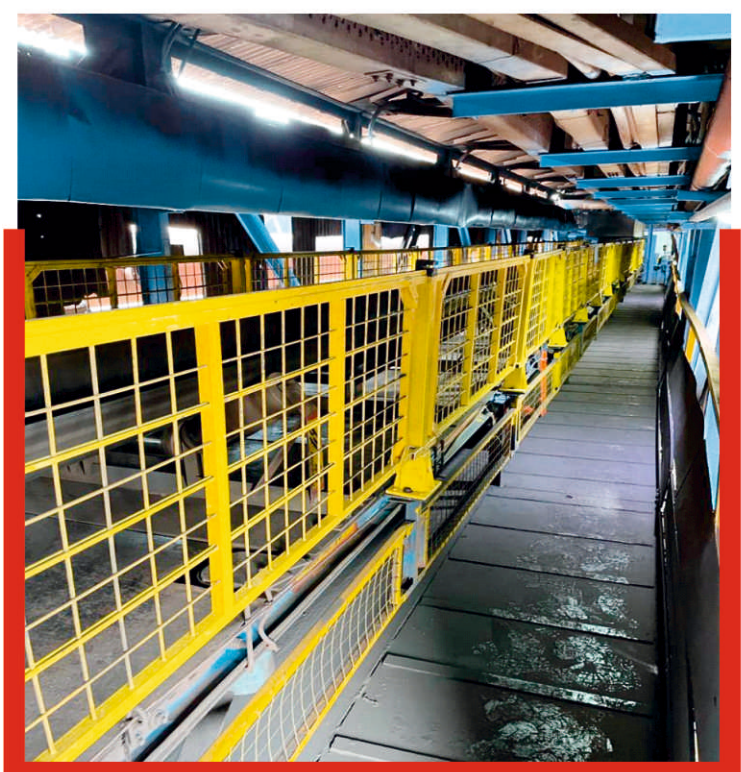


FRP conveyor guard fencing

- Conveyor guard is used to protect people from running conveyor belts as conveyor belts move at a speed of 30 Km/hr or more.
- Metal wire mesh conveyor guards are mostly used in plants
- Due to harsh corrosive conditions, conveyor guards need replacement frequently
- We have introduced FRP conveyor guards, customised sizes are available as per requirements.



FRP Smart Guard



FRP Deck / Seal Plate for conveyors

- Chemical resistant, corrosion free deck plate below conveyors where iron ore / coal or other material falls while conveyor belt runs. Ideal for steel, power, fertiliser plants
- Metal deck plate require frequent replacements due to corrosion as water sprinklers on material makes it highly corrosive
- These plates can be customised as per your conveyor's size.
- We have successfully developed this customised product with huge success running into 1000s of meter of installation till now in conveyors.



FRP Hoods for conveyors

- Chemical resistant, corrosion free conveyor hoods above the belt that is on conveyors where iron ore/ coal or other material is exposed to open atmosphere, rainfall while conveyor belt runs. Ideal for steel, power, fertiliser plants
- Hoods are required to keep material dry, avoid moisture/rainfall
- These can be customised as per your conveyor's size.
- We have successfully developed this customised product with huge success running into 1000s of meter of installation till now in conveyors.



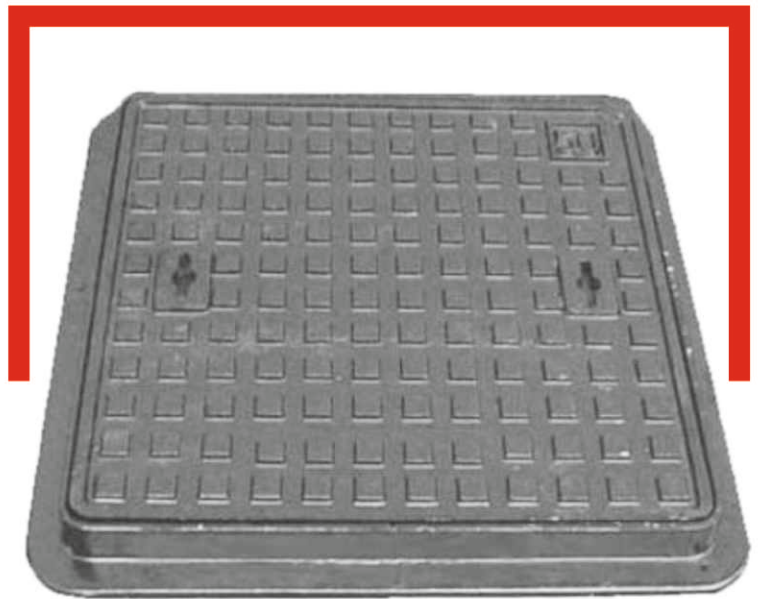
Motor cover

Introducing our FRP (Fiber Reinforced Plastic) motor covers - a robust solution designed to protect and enhance the performance of your motors. Crafted with precision, our covers offer durability and resistance to harsh environmental conditions, ensuring longevity for your machinery. Explore the perfect blend of strength and aesthetics with our FRP motor covers, setting a new standard for reliability in the industry.



Manhole cover

Introducing our FRP (Fiber Reinforced Plastic) motor covers - a robust solution designed to protect and enhance the performance of your motors. Crafted with precision, our covers offer durability and resistance to harsh environmental conditions, ensuring longevity for your machinery. Explore the perfect blend of strength and aesthetics with our FRP motor covers, setting a new standard for reliability in the industry.



Dimensions

300 mm x 300mm
600 mm x 600mm
600mm Dia

Colours

Gray colour or
customized
for bulk order

Others

Fire retardant
& UV Grade

Pollution Control Equipment's

Environmentally Responsible: Our Fiberglass Reinforced Plastic (FRP) Pollution Control Equipments are designed to mitigate environmental impact effectively.

Robust Construction: Engineered for durability, these FRP solutions provide long-lasting performance and corrosion resistance in diverse pollution control applications.

Versatile Solutions: From gas scrubbers to air purifiers, our range of FRP pollution control equipment ensures efficient and reliable solutions for a cleaner environment.

Superior Performance: Benefit from high-performance FRP materials that offer resistance to chemicals, UV rays, and extreme weather conditions, ensuring optimal performance in challenging environments.

- Venturi Scrubbers ■ Pack Column Scrubbers ■ Hoods ■ Blowers ■ Ducts
- Chimney (Supplied upto 60 mtr height, 3m dia at bottom)



Frp epoxy rod

Introducing our Frp Epoxy Rods: Engineered for durability and strength, our Fiberglass Reinforced Plastic (FRP) Epoxy Rods are a reliable solution for various applications. Key features include corrosion resistance, high tensile strength, and exceptional electrical insulation. These rods are ideal for use in construction, electrical, and infrastructure projects. Upgrade to the reliability of FRP Epoxy Rods for your next venture.

Frp Epoxy Rods has versatile applications across industries:

Electrical Insulation: Exceptional dielectric properties make them ideal for insulating electrical components.

Construction Reinforcement:

Enhance structural integrity in construction projects due to their high tensile strength and corrosion resistance.

Telecommunication:

Used in antenna and mast structures for their lightweight yet robust characteristics.

Water Treatment Plants:

Resistant to corrosion, these rods are suitable for various water treatment applications.

Oil and Gas Industry:

Corrosion-resistant properties make them valuable for offshore and onshore structures.

Infrastructure Projects:

Strengthen bridges, walkways, and other structures, ensuring longevity and reliability.

Railways:

Employed for signal post structures and other applications requiring durability and minimal maintenance.



Lenght

As per customers requirement subject to suitability of transportation

Colours

Transparent or opaque in colours like blue, green, red or any other as required

Diameter

16mm, 24mm, 28mm, 30mm, 35 any other as required

Others

Fire retardant & UV Grade

Our Global Clients

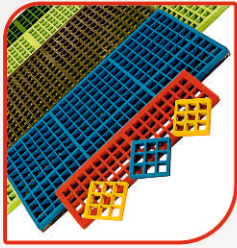
FGPL as a leading manufacturer of Fiber Reinforced Plastic (FRP) industrial products, we take pride in our commitment to excellence. With a strong presence across India and successful exports to 20 countries worldwide, our products have earned a reputation for durability, reliability, and innovation.



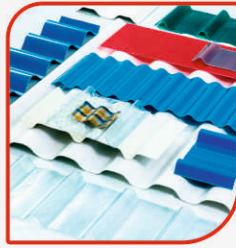
Continuing our journey towards excellence, we are eager to expand our global footprint. By choosing our FRP industrial products, partners around the world gain access to cutting-edge technology and unmatched quality.



FRP Tanks & Vessels



FRP Gratings



FRP Sheets



FRP Cable Trays



Pultrusion section/
profiles



FRP Handrails



Solar Walkways



FRP Fencings



FRP conveyor
guard fencing



FRP Deck/Seal Plate
for conveyors



FRP Hoods for
conveyors



Motor covers



Manhole covers



Pollution Control
Equipment's



Frp epoxy rods



Fibro Grats Pvt.Ltd.

ISO 9001 : 2015 CO.

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