

GLOBAL

FIBERGLASS

ONE OF LEADING FIBERGLASS COMPANY IN UAE



Global Fiber Glass

ISO 14001:2015 | ISO 9001:2015 | ISO 45001:2018 | ICV CERTIFIED COMPANY

Globalizing Excellent GRP / FRP / FIBERGLASS Products



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About Global Fiber Glass

Global Fiber Glass (GFG) is an established endeavour in the field of Composites Industry in UAE. The company is well known in the Design, Supply and Installation of superior quality GRP (Glass Reinforced Plastic) products are used for various applications or industries like Construction, Automobile, Chemical, Electrical and Power, Infrastructure, Water and Waste water treatment etc.

Our core competence lies in offering customized products as per the specifications of clients. Available in different sizes and shapes, our finished GRP products have commercial as well as residential usages. We supply the GRP products to all industries. These are appreciated for their durability and strength which makes them a favourite material in construction industry.

We are supported by trained & experienced staff, whose valuable support & dedication, in fiberglass industries has enriched the company's reputation. They undertake the responsibility of fabricating GRP products by taking into consideration of shape and loading conditions be it mechanical, electrical, thermal or chemical and the industry in which they are to be used.

The Company is aware of the local climatic condition and the severe corrosive atmosphere, thus providing GRP products to suit the exact requirements of the Middle East. We have closely worked with all major projects in the UAE and also approved by leading EPC contractors and Consultants. The company is set up with sufficient workforce and fully equipped machinery, tools and is geared up to undertake any turnkey projects.

Our Commitment

“We believe in Total Commitment To outstanding and Reliable Products with 100% customer satisfaction”

Mission

- To be a truly World Class Company in all respects exceed our customer's expectations in quality, delivery and cost effectiveness through continuous improvement and customer interaction.
- Our goal is to constantly strive to set the industry standard in providing products that aim at zero error functioning.
- The Company's focus is very clearly set on globalization. Global Fiber Glass aims to establish itself firmly in the world's top markets, to be acclaimed as an international brand.

Certifications



ISO 14001:2015



ISO 9001:2015



ISO 45001:2018



ICV CERTIFICATE

Our Products

- ▶ GRP Cylindrical Molded Water tank
- ▶ GRP Hot Press Panel Water Tanks
- ▶ GRP Septic tanks or Sewage Holding tanks
- ▶ GRP Chemical and Diesel Tanks
- ▶ GRP Grating, GRP Platform
- ▶ GRP Ladder, GRP Handrails
- ▶ GRP Cable Trays, GRP Walkways
- ▶ GRP, GRV, GRE Pipe and Pipe Fittings
- ▶ GRP Car Parking Sheds and GRP Sunshades for various instruments
- ▶ GRP Corrugated/Plain Sheets, GRP Manhole Covers, GRP Liner, AC Trays, Shower Trays
- ▶ GRP lamination to concrete water tank or Manhole or M.S. tank, PVC pipe, Aluminum Duct/Pipe lamination

GRP CYLINDRICAL MOLDED WATER TANKS (ABOVE / UNDERGROUND)



Global Fiber Glass offer optimum quality Water Tank using GRP that are corrosion resistant, leak proof and easy maintenance. These GRP Water tanks are made by HAND LAY UP process. It is available in horizontal and vertical type cylindrical or rectangular in shape.

Our extensive experience help us to meet the industrial and commercial demands with our quality range of GRP storage tanks. These are ideal for storage of potable water/Treated Water/ Sweet Water.

We offer tanks of Capacities available from 1000 U.S. GALLON to 20,000 U.S. GALLON

Significant Features:

- Corrosion Resistant
- Light In Weight
- High Impact Strength
- Superior Outlook



GRP SEPTIC /SEWAGE HOLDING TANKS (UNDERGROUND)



GLOBAL FIBERGLASS has the right the mix of experience and expertise in providing full-service custom-designed Water tanks. We provide complete solutions right from initial design, needs analysis and planning through supply and after sales service. The integrated process and innovative engineering concepts minimizes the operating costs, enhances the efficiency and most importantly, solves your specific problem.

Different technologies can be used in order to develop an effective Sewage tanks. GLOBAL FIBERGLASS is having vast experience in developing GRP sewage tanks.

We offer tanks of Capacities available from 1000 U.S. GALLON to 20,000 U.S. GALLON

Salient Features:

- High Impact Strength
- Superior Outlook
- Easy to Handle and Install
- Maintenance Free



PE (POLYETHYLENE) WATER STORAGE TANKS (ABOVE GROUND)

GLOBAL PE water tanks are specially designed with a smooth inner layer that resists growth of algae and bacteria. The one piece, molded body has no joints and is absolutely maintenance free. Polyethylene granules used in the construction of the tanks ensure it is strong, durable and free from corrosion. Designed for easy handling and mobility, it is lightweight and easy to install. A special, threaded cover ensures that the tank and its contents cannot be tampered with.

We offer tanks of Capacities available from 500 U.S. GALLON to 5,000 U.S. GALLON

- Salient Features:**
- Clean & Hygienic
 - Rust Proof
 - Easy to Install
 - Leak-proof
 - Lightweight



GRP RECTANGULAR TANK



Global Fiberglass Offers best quality of customized rectangular /square shape of water tanks. These tanks are suitable for potable water / sewage water storage. These tanks are available in both above ground and underground applications.

"GFG" Rectangular /Square tanks are manufactured by Hand Lay up process under strict quality control. These tanks are used widely in Industrial and commercial projects.

"GFG" Offers GRP rectangular tanks from capacity 500 lits to 50,000 lits.

We offer tanks of Capacities available from 1000 U.S. GALLON to 20,000 U.S. GALLON.

Salient features:

- Corrosion Resistant
- Light weight
- Easy to Handle & install
- Built in Algae Resistant Layer
- UV Resistant
- Suitable for UAE Weather condition.



GRP CHEMICAL / DIESEL STORAGE TANK



GFG offer optimum quality Chemical Tank using GRP that are corrosion resistant, leak proof and easy maintenance. These GRP chemical tanks are typically 50% lighter than steel and can be customized as per customer specifications. Backed by our extensive experience, we are able to meet the industrial and commercial demands with our quality range of GRP storage tanks. These are ideal for storage of water, chemical, electroplating and powder coating material. Further, these can also be used as chemical reaction vessels.

The GRP chemical storage tanks and GRP acid storage tanks manufactured by us is known for features such as chemical and acid resistance, good mechanical strength and durable. The dual laminate tanks offered by us are manufactured using thermoplastic sheet, which is rolled on wooden mould. Further, these are welded at seams and then coated outwardly with suitable GRP resin along with mixture of different glass strengthening (Hand lay-up). The PP and PVC sheets used in our tanks acts as chemical barrier and are in contact with acid. Furthermore, GRP glass fiber reinforced polymer (resin) gives potency required to hold bulk volumes of acids. The thickness of bottom knuckle radius of the tank is doubled as per ASTM 4097 D norms.

We offer these in standard and customized options as per clients' requirements.

Storage Tanks and Vessels fabricated by us is extensively used for handling corrosive chemicals in extreme environments. Our range of Storage Tanks and Vessels comprises Pressure vessels, Chemical storage tanks, Pulp storage tanks, Reaction vessels and Electrolysis tanks. These are manufactured in accordance with various national and international standards, such as B.S. 4994 – 1987, ASME- Section X, ASTM, DIN & NBS voluntary product standards and PS 15 – 69 standards. Our team assists our clients to choose the best suitable design and to analyze the most process efficient as well as the economically optimized vessels/tanks.

Different types of tank designs offered are:

- ❑ Dome, flat & conical roofs & bottoms
- ❑ Open and closed top
- ❑ Rectangular shells
- ❑ Cylindrical shells
- ❑ Flat and sloped bottoms
- ❑ Agitator supports
- ❑ Internal baffles

Salient Features:

- ❑ Corrosion Resistant
- ❑ Light In Weight
- ❑ High Impact Strength
- ❑ Superior Outlook
- ❑ Easy to Handle and Install
- ❑ Maintenance Free



GRP HOT PRESS PANEL WATER TANK



GLOBAL FIBER GLASS OFFER GRP HOT PRESS PANEL WATER TANK IN TWO TYPES AS FOLLOWS:

- **INSULATED**
- **NON-INSULATED**

These tanks are available in various sizes ranging from 1 m³ to 1500 m³ and heights of 1m to 4m. GRP Panels used to form the walls of the tank can be either Insulated or Non-Insulated depending on the application of the customer. These tanks are safe and hygienic for storage of drinking water and prevent algae or bacterial growth by isolating outside light. Sectional GRP Panels facilitate assembly at site with ease, making construction time shorter.



Salient features:

- High strength and durability
- High corrosion resistance
- Hygienic for storage of drinking water
- Maintenance free
- Easy cleaning
- U.V. Resistance and Algae resistance
- High Tensile strength



1 Bottom Panel Assembly

2 Wall Panel Assembly

3 Wall Panel Assembly

4 Wall Panel Assembly

5 Roof Panel Assembly

6 Completion of Water Tank Assembly

GRP, GRV, GRE PIPE AND PIPE FITTINGS

ALL PIPE and PIPE fittings are made from the dual helical winding technology. The major raw materials used for this are fiberglass, various resin. Inner liner consist of C-glass veil and vinyl ester resin for maximum chemical resistance and will enhance abrasion resistance. The structural layer consist of E-glass and Resin depends on application. Outer liner is a resin rich layer with structure similar to the structural layer.



GRP PIPE :

GRP Pipes made from major raw materials fiberglass + Isophthalic Resin

GRP Pipes can be used for applications of temperature upto 60° C

GRV PIPE :

GRV Pipes made from major raw materials fiberglass + Vinyl Ester Resin

GRV Pipes can be used for application of temperature upto 90° C

GRV Pipes have better mechanical and chemical properties compared to GRP Pipe

GRE PIPE :

GRE Pipes made from major raw materials fiberglass + Epoxy Resin

GRE Pipes can be used for application of temperature upto 110° C

GRE Pipes are lighter and easier to handle with minimal thermal conductivity and also have better mechanical and chemical properties compared to GRP /GRV Pipe.



We offer Diameters of Pipe produced range from 25mm to 2000mm.

PIPE FITTINGS:

The standard fittings includes flanges, couplings, elbows, Tees, Reducers, Spool , Saddle and End Caps Industries & Markets:

The Key market for our products are:

- Water Distribution : Potable Water and Sea Water
- Sewage System : Industrial Waste, Drainage , Sanitary wastage
- Industrial : Desalination, Reverse Osmosis, Power Generation, Petrochemical, Oil and Gas

Code and Standards :

ASTM D2996, ASTM3517, ASTM3262, ASTMD4161, ASTM D 3754, API -15LR, API -15HR, BS 5480, BS 5480, Bs7159, ISO 14692/AWWAM45



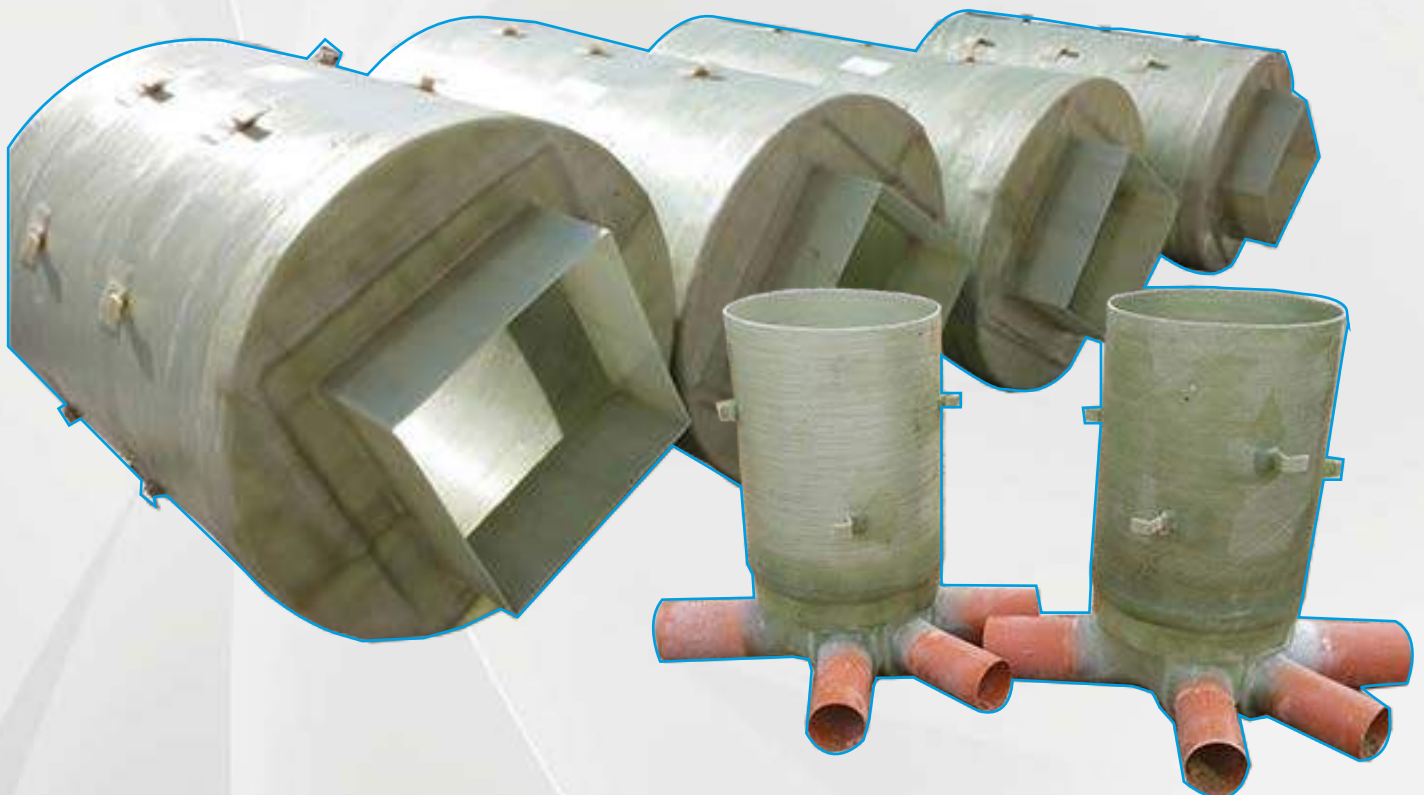
GRP STRUCTURAL MANHOLE LINER



Global Fiberglass is leading fiberglass company in UAE for manufacturing GRP Structural Manhole Liners. They can be used for sewage system, ventilation, pumping stations, well chambers, etc. Glassfiber reinforced plastics (GRP) consist of a combination of thermosetting glass fibers and reinforcing agents. The standard wall structure ensures that the individual materials bring their special features to bear in the finished composite. Various sizes are available for GRP Manhole Liner with Benching. Global Fiberglass is providing customized liner as well as per client requirement.

Our GRP Manhole Liners will provide protection from complete corrosion for manhole base. Our manhole liner is made to be the most effective on reducing maintenance for the municipal sanitary sewer system by the complete versatile design and manufacturing process for corrosion resistant and water tight chambers. The GRP manhole liner is a watertight thermoplastic concrete protective liner (CPL).

The design of the manhole liner is essential for long-term manhole protection and efficient water transmission. All Liner and Benching are of 7mm thick in which 2mm thick is Vinyl Ester Resin + 5 mm thick Isophthalic Resin is used. All raw material and production takes place under strict quality control.



GRP LAMINATION TO CONCRETE TANKS

GRP Lining is the most recommended to any surface in contact with water. It prevents corrosion, bacterial & fungal growth etc. Almost all the buildings in UAE have their RCC water tanks GRP lined as safe water is mandatory for the people & government here.

It's also important to do periodic checking of the surface, and if found damaged, it's important to rectify or re-do. Global Fiberglass has done GRP lining of RCC tanks in many prestigious projects & for many luxurious hotels. All our clients are satisfied with us. Also, we are approved with many consultants. GRP lining is also done for MS surfaces when they are exposed to water in various industrial production units and water treatment plants. We have done such projects too with great appreciation from our clients.

GRP Lining / Lamination / Water proofing for RCC Tanks:

GRP(Fiberglass) lined or Laminated or Waterproofed tanks will last the life of most facilities without corrosion-caused leaks or failures. Fiberglass lined / Laminated / Water-proofed tanks are not susceptible to corrosion, they're maintenance free. There is no need for periodic testing, record keeping or replacement of protection systems. You save the difference in time, money and concern over the service life of the tank and avoid potential financial liabilities.

Likewise GRP-Fiberglass Fiberglass lined / Laminated / Waterproofed underground storage tanks system can be used to store gasoline, aviation fuel gasohol (90% gasoline and 10% ethanol mixture), jet fuel, diesel fuel, potable water or waste water at ambient underground temperature or fuel oil at temperatures not to exceed 150°F.

Properly installed, GRP-Fiberglass Fiberglass lined / Laminated / Waterproofed underground storage tanks are strong enough to withstand constant and continuous contact with any media. Fiberglass lined underground tanks were designed to meet specific performance criteria in dry or fully flooded holes when properly installed.

GRP Pipe's joint Lamination and Maintenance :

Salient features:

- First, Grind surface of two pipe joints for lamination
- In the grinded area , apply GRP putty to close / fill gaps
- Thenafter, same of GRP lamination to be followed i.e Priming , Application of Fiberglass & Resin, Top Coating & Inspection.



GRP PLANTER BOX



GLOBAL FIBERGLASS ("GFG" Brand) known for our top quality fiberglass planters are truly a work of art that requires many processes over a period of time by expert artisans to create finished products. Each fiberglass planter is created with a custom mold in the exact size, shape and dimensions of the final product. Fiberglass sheets are carefully and expertly cut, shaped and inserted into and surrounding the mold. High quality polyester resin is then applied several times over the mold. Once the final coat becomes hard, the planter is then taken to the finishing department where each planter is meticulously finished by hand by highly skilled artisans. Like an expensive fiberglass boat or car, the finishing department, trims the product of any excess materials and evenly sands the fiberglass surface so that the finish is flawless and smooth. This process is time intensive, but necessary to produce the exquisite, durable quality products that customers have come to love and to expect.

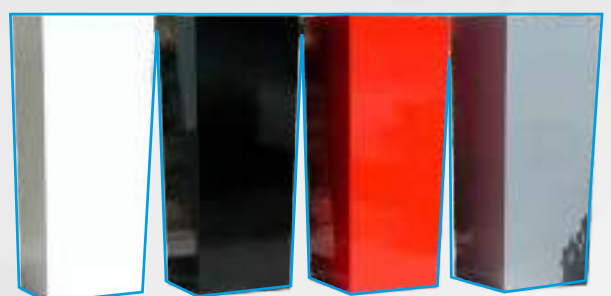
Many competitors take short cuts that become obvious in the aesthetics, quality and wear of fiberglass planters, which is why the hand finishing process is so important and have become the hallmark of Jay Scotts Collection success and quality in producing fine planters.

"GFG" Fiberglass Planters :

- ❑ Our planter box are light weight, but very durable, because they use only the highest quality polyester resin with no fillers.
- ❑ Each planter is carefully hand-finished to a smooth and continuous; this extra step is most noticeable in the rim of each planter which is finished and wraps down to the side wall of the planter. You will not find exposed raw glass or rough edges on the rim which enhances the beauty of the planter and makes them safer for installation and repositioning.

Features and Benefits of "GFG" Fiberglass Planters :

- ❑ Fiberglass is a durable material that weighs considerably less than traditional planter materials. This light-weight material is an exceptional option for patios, balconies, roof tops, and other areas where weight of the installation is a concern.
- ❑ Unlike competitor products – terracotta, concrete, plastics – fiberglass can be repaired and refinished.



GRP SUNSHADES AND CAR SHADES

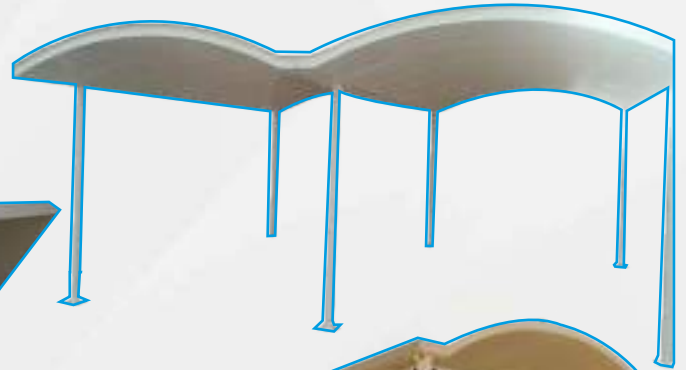


Global Fiberglass do design, manufacture, supply & installation of various kinds of GRP SUNSHADES and CAR PARKING SHADED. GFG offers best quality of customized GRP Sunshades as per client requirement. GFG Sunshades are most commonly used in Industrial Sector / Plants to protect equipment from UV/ SUN rays. Car Parking shades are widely used in commercial sector , construction sector for protecting CARS from SUNRAYS. We do various shapes and sizes of sunshade as per client or site requirement.

"GFG" Provide design & FEA for special sunshades to fulfill client requirement. All Sunshades are manufactured by Hand Lay up process under strict quality control. Support structure for Sunshades can be in GRP or Steel as per client choice.

Salient features:

- Size & Shape – As per Client Choice
- Strong, Durable – Long Lasting
- 10 years official warranty
- Any RAL Color
- Corrosion Resistant
- Suitable for UAE Weather conditions
- Easy to install
- GRP sunshades protect instruments and field equipment from radiant solar temperature gain as well as provide limited protection from blowing dust and rain at a very low cost.
- At the same time, sunshades reduce the cost of cooling systems needed. GRP offers strength, weight and corrosion resistance advantages for harsh operating environments. It also has low thermal conductivity which makes it ideal for the design of housings.
- TCTI offers both open and closed sunshades of the best quality. These can be customized to suit the client's requirements.



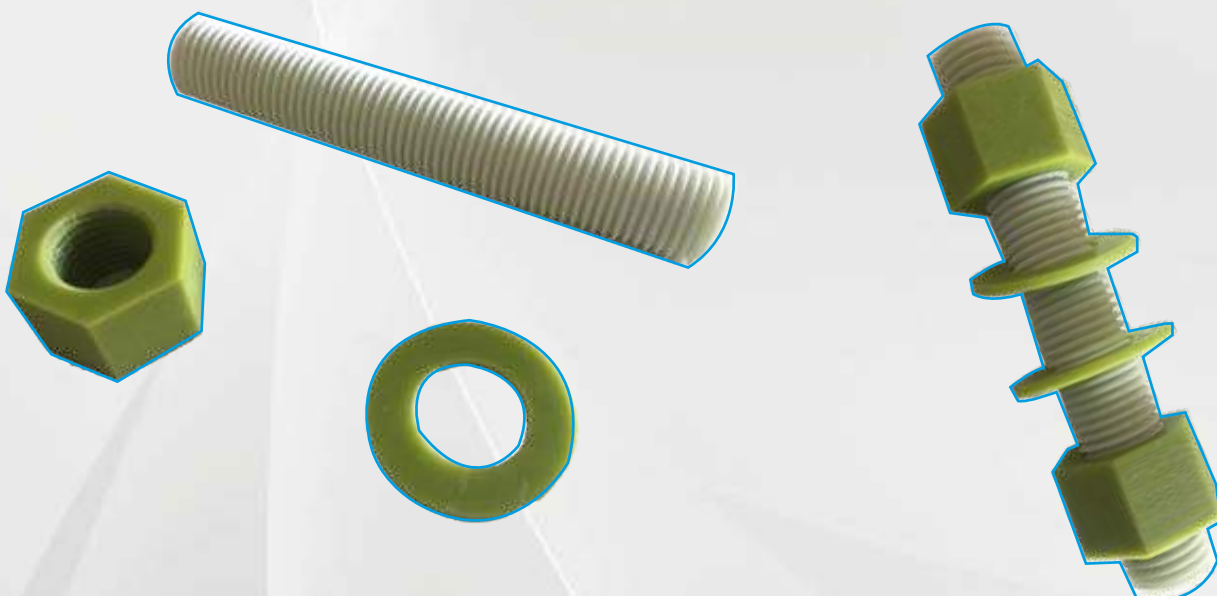
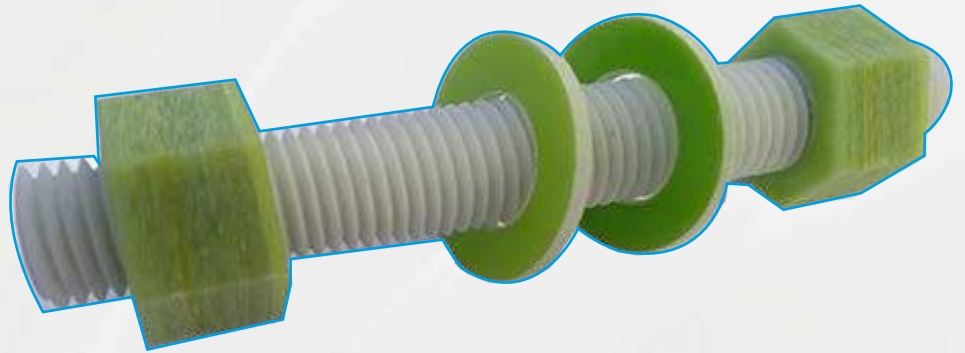
GRP / FRP / GRE NUT BOLTS & WASHER



GFG offers GRP /FRP Fasteners like Threaded Rods, Hex Bolts & Flat washers. These Fasteners are manufactured by Pultrusion Process by using Best quality EPOXY Resin.They are ideal for the application which requires fasteners that must be strong,non -corrosive ,non-conductive or where metal fasteners are not permitted .Global Fiberglass is leading manufacturer of FRP/ GRP Fasteners and supplied to various key projects in GCC It's mostly used in RO, DESALINATION,WATER TREATMENT PLANT and SWITCHGEAR ,TRANSFORMERS,ELECTRICAL Application.

Salient features:

- Light weight & High Strength
- High corrosion & Chemical resistant
- Durable – long lasting
- High & Low Temperature Resistant
- Non- Conductive
- Maintenance Free



GRP GRATING



GRP MOLDED GRATING

These gratings are non-magnetic, electrically non-conductive, lighter than aluminium, 50% stronger than hot rolled steel, has a low thermal expansion as compared to aluminium and steel and requires low maintenance. Moreover, they offer unmatched impact resistance and UV protection. Our range of grating provides excellent corrosion resistance along with durability, strength, safety and long service life. They are perfect for applications where conventional steel gratings rapidly corrode in chemical environment.

Moreover, as these are made up of GRP, they are light in weight and are very easy to install. These GRP floor grating are available in a variety of panel sizes, depths, tie bar spacing, open area etc. They are perfect in situations where corrosion and safety are major concerns or when several grating penetrations are required for diversified applications. They find application in Floorings, Trench covers, Platforms, Walkways and Stairway.



GRP PULTRUDED GRATING

GRP PLATFORMS & STAIRS



Platforms and Stairs - Fibreglass platforms are made to order, so any size and configuration is possible. All GRP Platform designs are manufactured to British Standards. GRP Stair Treads - Fibreglass Stair treads and fibreglass stair tread covers are available from stock. GRP Stair treads can be made to any size and colour. Fibreglass Stair tread covers are the cost effective answer to non slip steps, they are easy to fit and are low maintenance.

GRP LADDER AND HANDRAILS

Ladders and Handrails - GRP ladders are a cost effective answer to access problems in corrosive areas. Ladders are built to British Standards and can be used in potable and sea water environments. Fibreglass Handrails are available in standard and heavy duty sizes.

Salient features:

- Corrosion Resistant
- Slip Resistance
- Low maintenance
- High strength to weight ratio
- Easy to handle and transportation
- Electrically and Thermally Non Conductive
- Low Installation Cost
- Long life



GRP ENCLOSURES, KIOSK & CABINET

GLOBAL FIBERGLASS Provides comprehensive range of GRP Cabinets ,Kiosk & Enclosures as per customer requirement suitable for Indoor and outdoor installations. All enclosures are completely finished in plant prior to dispatch. The enclosures will have smooth mould finish externally and coated hand layup finish internally. Modular construction with the design flexibility to vary access doors, height, width and depth. Utilized in outdoor application of HV/LV and MV/LV distribution systems; the product ranges from substation kiosks, IP55 kiosks, shelters and capacitor banks kiosks GRP Kiosks are manufactured in with a view to providing the most practical and cost effective solutions.

These Kiosks are widely used in the Oil & Gas, Energy, Water and Telecommunication industries.

GFG manufactures various size of kiosks for the UAE and International markets. The cost effective solutions offered by Global Fiberglass make business sense and attracts global businesses to outsource their manufacturing to the UAE. "GFG" quality has ensured complete client satisfaction at all levels.

Salient features:

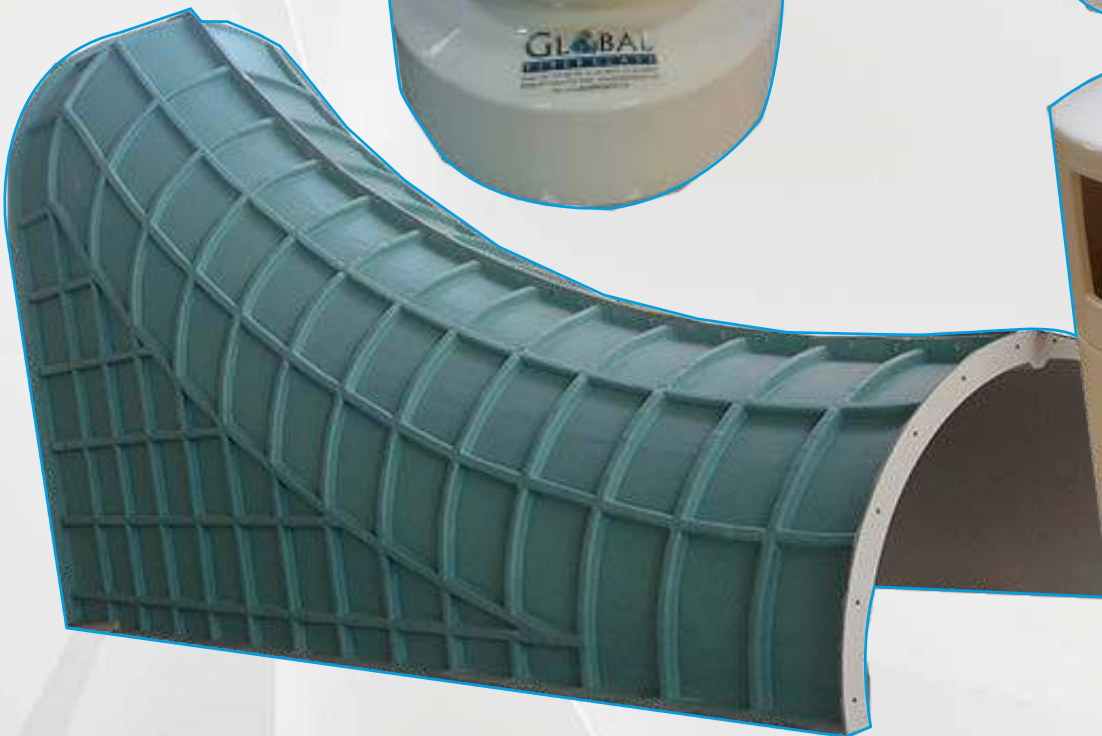
- ❑ The side & rear panels are identical and interchangeable with one another All panels have GRP stiffeners
- ❑ Smooth gel coat finish from outside & flow coat finish from inside Designed to withstand high temperature
- ❑ Fire retardant, self extinguishing as per DIN-41 02 class- B2
- ❑ Self pigmented to colour of customers choice including standard shades of RAL 1015, RAL 7035, RAL 9010 Aluminum aldrep & integral windstay provided to hold the door in fully opened position
- ❑ Anodized aluminum louvers
- ❑ Standard double bar lock operated with handle provided for each door Stainless steel hinges
- ❑ Lifting hooks provided



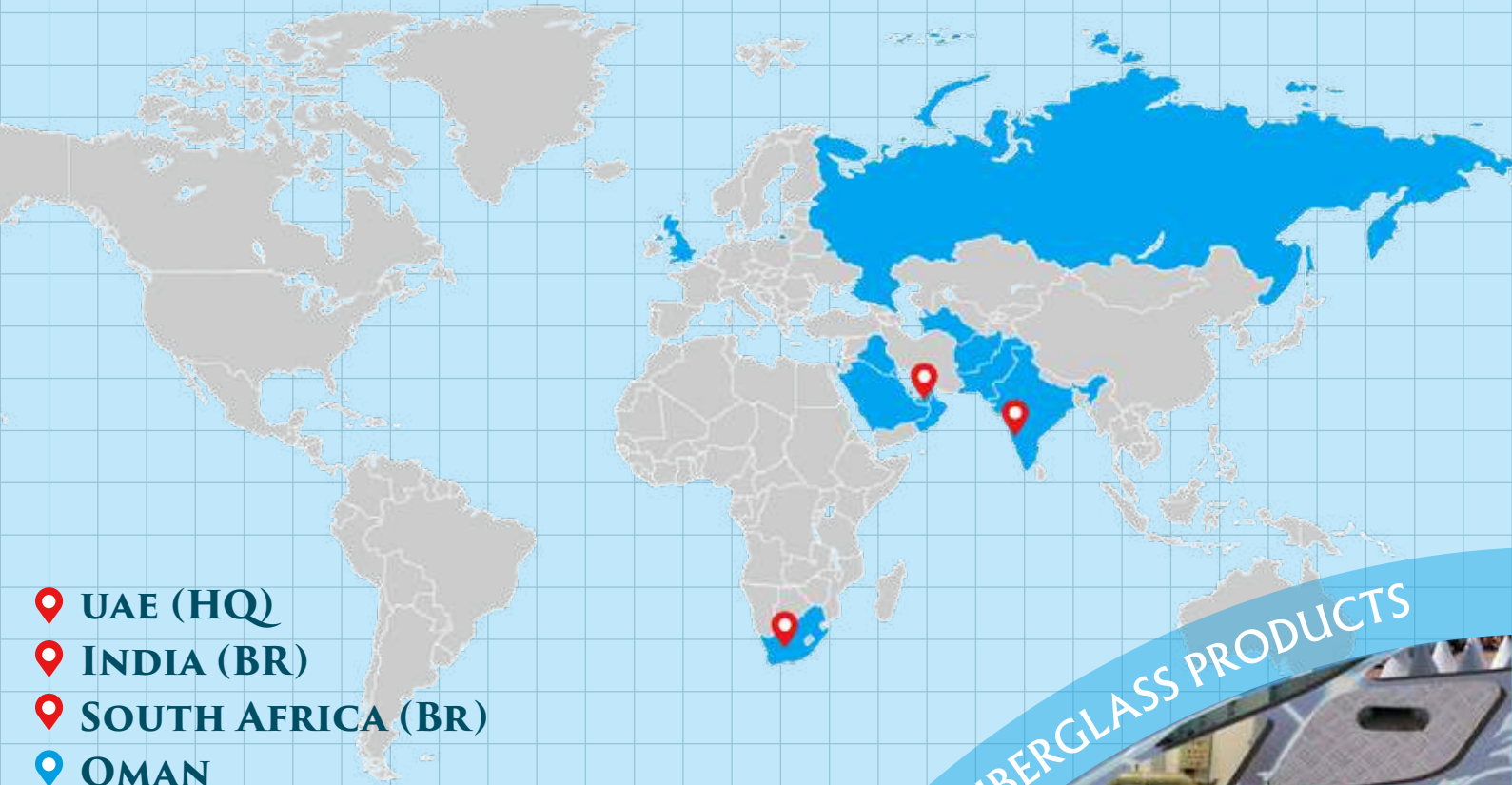
CUSTOM MADE PRODUCTS

GLOBAL FIBERGLASS is leading fiberglass company for various type of custom made GRP /FRP/ Fiberglass Products. We do design, manufacture, supply and installation of GRP products to site as per client's requirement. Our custom made GRP products has various advantages :

- Light Weight
- Cost Effective
- Good visual appeal
- Low maintenance
- Durable
- No additional rust proofing / painting required
- Safe from electrical shocks since fiberglass being a good insulator
- Easy to clean
- Suitable and preferable for the local climatic conditions



COUNTRIES COVERED



- 📍 **UAE (HQ)**
- 📍 **INDIA (BR)**
- 📍 **SOUTH AFRICA (BR)**
- 📍 **OMAN**
- 📍 **SAUDI ARABIA**
- 📍 **KUWAIT**
- 📍 **QATAR**
- 📍 **BAHRAIN**
- 📍 **ISRAEL**
- 📍 **IRAQ**
- 📍 **AFGHANISTAN**
- 📍 **UK**
- 📍 **RUSSIA**
- 📍 **TURKMENISTAN**

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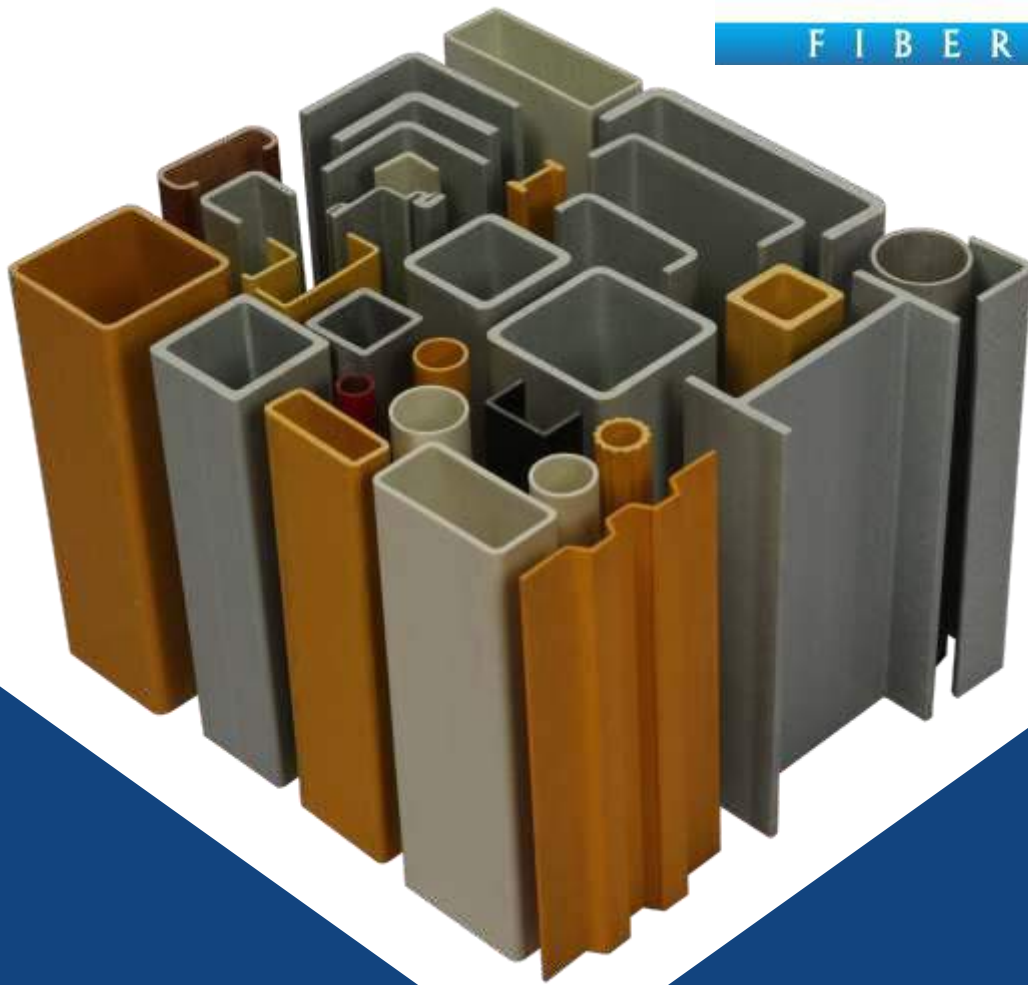


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Globalizing Excellent GRP / FRP / FIBERGLASS Products





STRUCTURAL PROFILES

- ö GLOBAL FIBERGLASS is a preferred supplier of structural FRP profiles for the leading cooling tower companies in the world.
- ö Our FRP pultruded profiles is made under stringent quality control systems. Our profiles meets CTI-137 and EN 13706 standard.
- ö We also provide moulded and pultruded gratings.
- ö We manufactures pultruded profiles in ISO polyester and vinylester resin system.
- ö Our fabrication facility is equipped to fabricate small to large project within required time frame with quality.



FULL SECTION TEST

AGNI Quality Lab is equipped to perform Mechanical test as per CTI 137 and EN 13709

Quality Policy:

- ö “GLOBAL FIBERGLASS.” is committed to provide technologically superior & high quality service to achieve customer satisfaction.
- ö We are an ISO 9001-2008 certified company and to live up to this certification.
- ö We are committed to quality, integrity and excellence in all areas of business.
- ö We pledge to monitor our performance as on going activity and strive for continuous improvement.

Our Core Values:

- ö We are customer focused and are dedicated to their satisfaction.
- ö Within budget without compromise
- ö We won't our promise and under perform.
- ö Win-win arrangement for customers, suppliers and team.



FLEXURAL TEST



TENSILE TEST



PULTRUDED FRP TYPICAL COUPON PROPERTIES

Mechanical properties	ASTM	English		Metric	
		Units	Value	Units	Value
Tensile stress, LW	D-638	psi	30,000	Mpa	206.8
Tensile stress, CW	D-638	psi	7,000	Mpa	48.2
Tensile Modulus, LW	D-638	10 ⁶ psi	2.5	Gpa	17.2
Tensile Modulus, CW	D-638	10 ⁶ psi	0.8	Gpa	5.5
Compressive stress, LW	D-695	psi	30,000	Mpa	206.8
Compressive stress, CW	D-695	psi	15,000	Mpa	103.4
Compressive Modulus, LW	D-695	10 ⁶ psi	2.5	Gpa	17.2
Compressive Modulus, CW	D-695	10 ⁶ psi	1.0	Gpa	6.9
Flexural Stress, LW	D-790	psi	30,000	Mpa	206.8
Flexural Stress, CW	D-790	psi	10,000	Mpa	68.9
Flexural Modulus, LW	D-790	10 ⁶ psi	1.8	Gpa	11
Flexural Modulus, CW	D-790	10 ⁶ psi	0.8	Gpa	5.5
Modulus of Elasticity, E	Full section	10 ⁶ psi	2.6	Gpa	17.9
Shear Modulus	Full section	10 ⁶ psi	0.425	Gpa	2.9
Short Beam Shear	D-2344	psi	4,500	Mpa	31.0
Notched Izod Impact, LW	D-256	ft-lbs/in	25	J/mm	1.28
Notched Izod Impact, CW	D-256	ft-lbs/in	4	J/mm	0.20
Bearing Strength LW	D-953	psi	30,000	Mpa	206.8
Poisson's Ratio	D-3039	In/in	0.33	mm/mm	0.33
Physical properties	ASTM	English		Metric	
		Units	Value	Units	Value
Barcol Hardness	D-2538	–	45	–	45
24 Hour Water Absorption	D-570	%Max	0.6	%Max	0.6
Density	D-792	Lbs/in ³	0.062- 0.070	g/mm ³	1.72-1.94

FRP PROFILE LIST

CHANNEL

40x10x3	150x30x4
48.46x30.66x3.38	150x35x4
50x30x4	150x35x6
50x40x5	150x40x4.8
57x15x3	150x50x4
80x30x3	150x40x5
80x90x6	150x100x5
87x38x3	152.4x41.4x6.4
88.9x38.1x4.76	152.4x43x8
100x30x5	152.4x42.86x9.5
100x35x4	152.4x50.8x6.4
100x50x3	157x15x3
100x50x4	160 x30x4
100x40x5	160x60x8
101.6x28.7x4.8	200x80x8
101.6x28.7x6.4	203.2x55.56x9.5
101.6x28.7x9.5	203.2x55.56x6.35
106.7x15x3	254x69.85x12.7
101.6x26.98x3.17	260x60x8
120x50x6	300x50x4
121.2x50.8x6.4	300x100x3
139.7x38.1x4.76	450x100x4
139.7x38.1x6.35	304.8x69.85x12.7

EQUAL LEG ANGLE

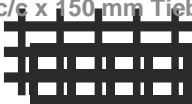
25.4 x25.4x3.18	76.2x76.2x6.4
30x30x4	76.2x76.2x 9.52
30x32x3	88.9x88.9x6.35
38.1 x38.1x6.35	101.6x101.6x6.4
50x50x5	101.6x101.6x8
50x50x6	101.6x101.6x 9.52
50.8x50.8x6.4	56x56x6

SQUARE TUBE

25.1x25.1x3.3	76.2x76.2x3
31.75 x 31.75 x 3.175	76.2x76.2x4
38x38x3.3	76.2x76.2x5
38x38x6.4	76.2x76.2x6
44.45x44.45x3.175	76.2x76.2x6.4
44.45x44.45x 6	76.2x76.2x8
50x50x4	76.2x76.2x9.5
50 x50 x 5	88.9x88.9x3.2
50.8x50.8x3.175	88.9x88.9x5
50.8x50.8x6.4	88.9 x88.9x6.35
54x54x4.75	100x100x5
60x60x5	100x100x6
63.4x63.4x4.5	100x100x6.35
63.4x63.4x5	100x100x8
63.4x63.4x6.4	101.6x101.6x9.52
67.3x67.3x5	100x100x10

PULTRUDED GRATINGS

38mm ht x 38 mm c/c x 150 mm Tiebar distance 25
mm ht x 38 mm c/c x 150 mm Tiebar distance



FLAT

25x4	100x8
25x5	101.6 x 6.35
35x5	101.6 x 9.5
40x4	101.6 x 12.7
50x6	150x3
60x4	304.8 x 4
70x4	304.8 x 5
76.2 x 6.35	304.8 x 6
76.2 x 9.5	304.8 x 8
76.2 x 12.7	304.8 x 10
100x3	640 x 8

ROUND TUBE

24x19	50.8x38.1
25x20	50.8x45
32x27	60.4x54.4
32x20	76.2 x 63.5
38x34	100 x 85.9
45x40	

I-BEAM

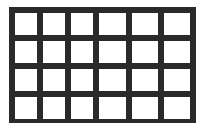
25x15x3	139.7 x 63.5 x 6.35
38x15x2.9	152.4x76.2x6.4
38.1 x 15 x 3.6	152.4x76.2x9.5
50.8x25.4x4	160x80x8
100x100 x6 mm	203.2x101.6x9.52
100x100x8	203.2x101.6x12.7
101.6x50.8x6.35	

RECTANGULAR TUBES

38.1x25.4x6.35	89x38.1x3.175
40x20x3.3	100x50x4
50.8x25.4x3.175	100x60x5
60x40x4	120x60x5
76.2x50.8x3.17	140x50x3
80x30x4	139.7x88.9x6.35
80x60x5	165.1 x 101.6
81.28x55.88x9.52	

MOULDED GRATINGS

38 mm ht x 38 mm thk x 38 mm mesh 30
mm ht x 38 mm thk x 38 mm mesh 25
mm ht x 38 mm thk x 38 mm mesh



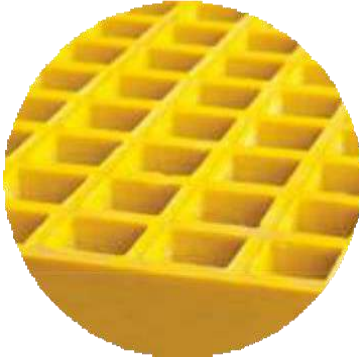
DECK PANELS

500 x 40 x 4	610 x 28.7 x 4.5
600 x 38.5 x 3.5	610 x 28.7 x 3.3



GRP / FRP MOULDED / PULTRUDED GRATING

Meniscus Surface



Gritted Top Surface



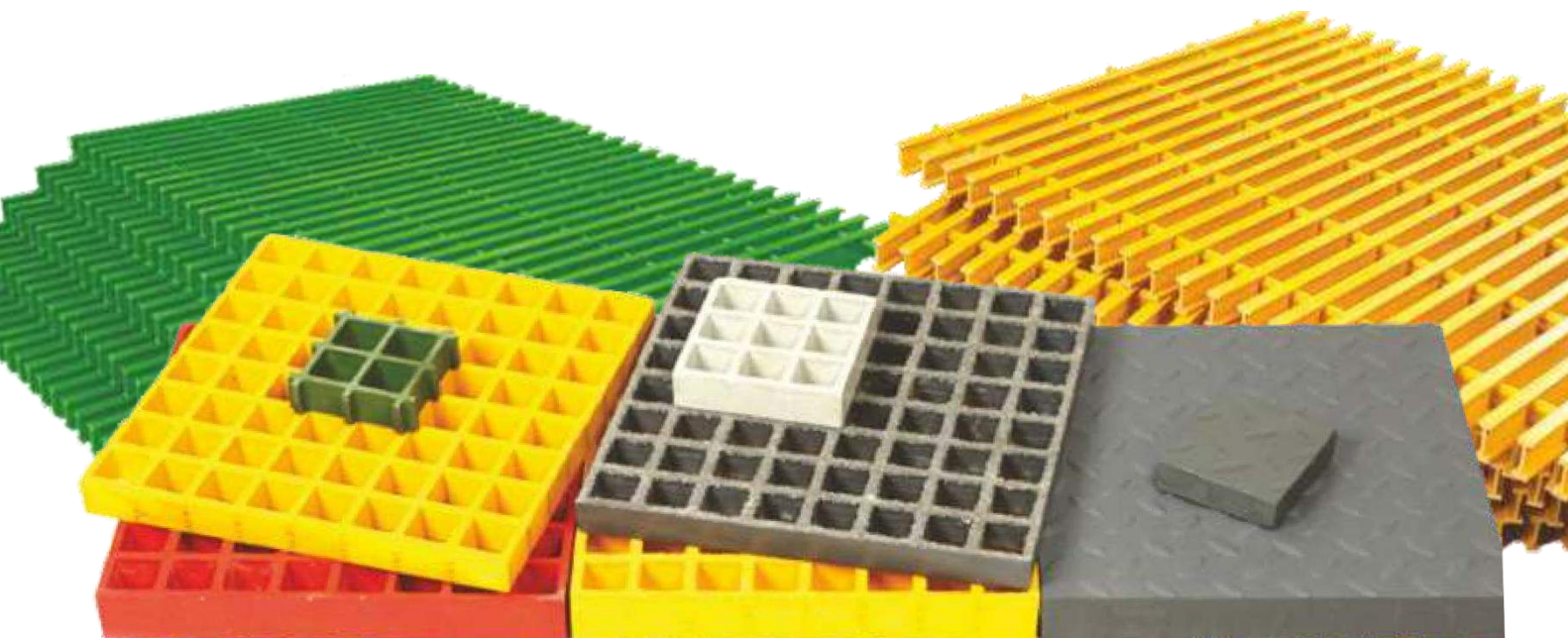
Covered Surface



Depth (mm)	Thickness (mm) (Top/Bottom)	Mesh Size (mm)	Panel Size Available (mm)	Open Area(%)
25	5/6.5	38x38	1220x3660	68%
30	5/6.5	38x38	1220x3660	68%
38	5/7	38x38	1220x3660	68%

FRP Pultruded Grating

Depth (mm)	Bearing Bars Per Meter	Bearing Bars Centers(mm)	Open Area(%)
25mm	23	40	60
38mm	23	40	60



APPLICATION



COOLING TOWER



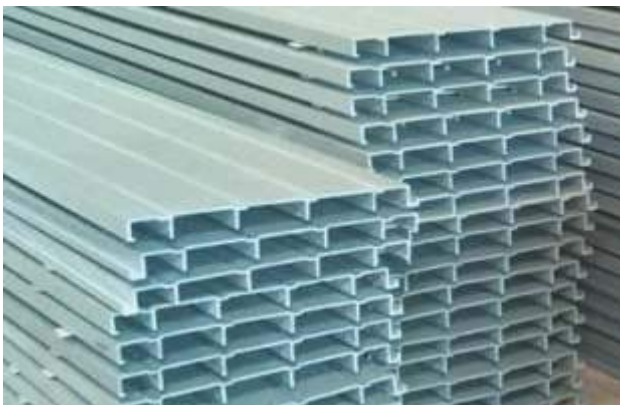
STAIRS



HANDRAIL



CABLE MANAGEMENT SYSTEM



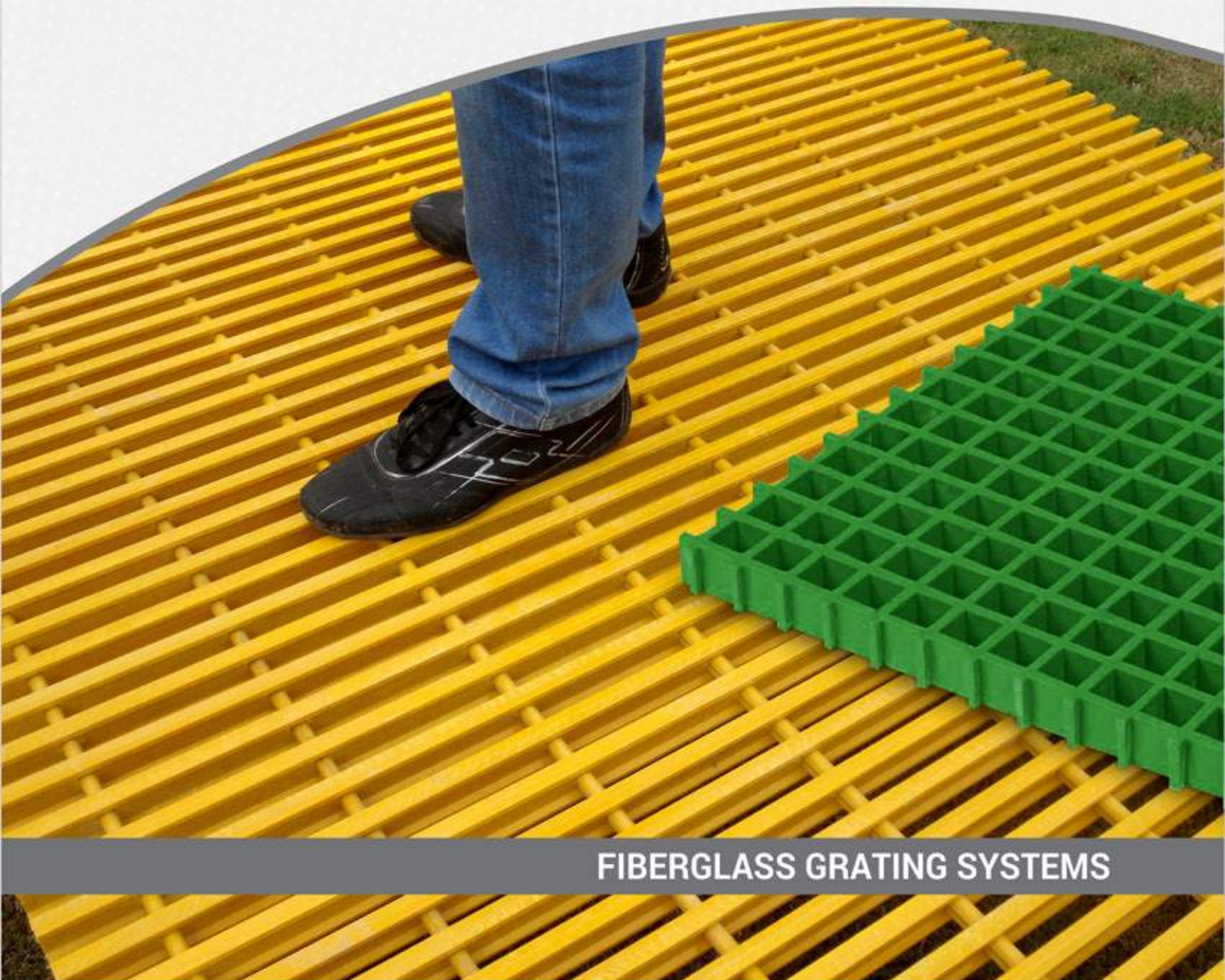
FRP DECKING



CAGE LADDER

COUNTRIES COVERED

- 
- 📍 UAE (HQ)
 - 📍 INDIA (BR)
 - 📍 SOUTH AFRICA (BR)
 - 📍 OMAN
 - 📍 SAUDI ARABIA
 - 📍 KUWAIT
 - 📍 QATAR
 - 📍 BAHRAIN
 - 📍 ISRAEL
 - 📍 IRAQ
 - 📍 AFGHANISTAN
 - 📍 UK
 - 📍 RUSSIA
 - 📍 TURKMENISTAN



FIBERGLASS GRATING SYSTEMS

FIBERGLASS GRATING SYSTEMS <<



A well designed Composite system like , grating is needed for flooring, walkway and decking areas in corrosive environment for superior load bearing and corrosion resistance. This can be achieved with the use of good quality grade resins With UV inhibitors and other additives with sufficient glass fibre reinforcement.

offers Pultruded as well as Molded Composite Gratings :

Molded Grating :

- » Installation around piping, tanks and other obstacles is much simpler with molded grating.
- » Fixed panels sizes to be fitted on site.
- » The chemical resistance of molded grating is superior.
- » Well suited for forklift traffic.
- » Designed for a max deflection of SPAN/100.

Pultruded Grating :

- » Used where mechanical load is very high or support distances are very wide.
- » Panels are fabricated to drawing with minimum wastage.
- » Performs structurally better than molded grating with a maximum deflection to be limited to SPAN / 200 (the same limit as for steel grating).

FIBERGLASS ADVANTAGE



INDUSTRY SEGMENT



FIBERGLASS MOLDED GRATINGS

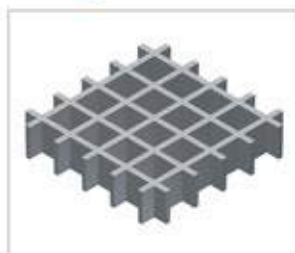
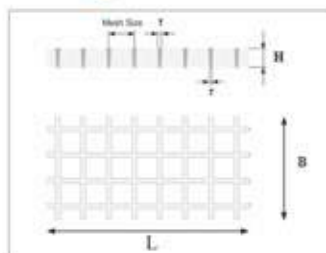
GFG is one of the leading producers of molded grating. Renowned for their high strength, corrosion resistance in the harshest environments, long life and safety. Molded Gratings meet the highest international standards. Produced from carefully selected resin systems, Grating is designed to deliver many years of reliable service, outperforming the traditional materials they replace.

Comparable with steel at the installed cost stage, their low maintenance and long life means a significantly lower life cycle cost than that of steel. Fiberglass Molded Gratings are available with Polyester, vinyl ester or phenolic resin. All kinds of resin are self-extinguishing and UV-stabilized.

Fiberglass Molded Gratings are made into various mesh patterns and surface suitable for demanding applications.



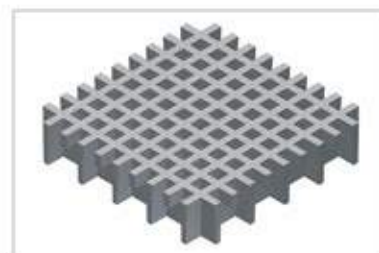
Fiberglass Molded Gratings



SM-Square Mesh



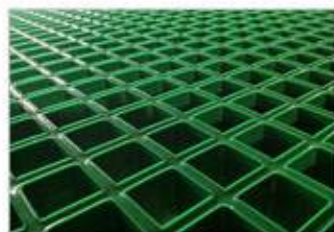
RM-Rectangle Mesh



MM-Mini Mesh

Surface

To Provide safest walking surface Aeron Fiberglass Gratings are available in three anti-slip surfaces.



Concave/Meniscus Top



Grit Top



Chequered Plate Top



Covered Grit Top

Size

Product Code	Height (MM)	Mesh Size (MM)	Rib Thickness (MM)	Open Area(%)	Sheet Size (MM)
SM 12 x (50 x 50)	12.5	50 x 50	6-5	82	1007 X 2007, 1007 X 4047
SM 25 x (38 x 38)	25	38 x 38	7-5	69	1220 X 3660, 1007 X 2007*, 1007 X 4047*, 1247 X 4047*, 1638 X 4038
RM 25 x (25 x 100)	25	25 x 100	6.35	68	1220 X 3660
SM 30 x (38 x 38)	30	38 x 38	7-5	68	1220 X 3660, 1007 X 2007*, 1007 X 4047*, 1220 X 4045
SM 38 x (38 x 38)	38	38 x 38	7-5	68	1220 X 3660, 1007 X 2007*, 1007 X 4047*, 1247 X 4047*
SM 38 x (38 x 38)	38	38 x 38	8-6	71	1220 x 4038 (Curved Bottom)*
SM 50 x (50 x 50)	50	50 x 50	8-5	71	1220 X 4068

For Panel Size marked with (*), Mesh Size will be 40 X 40, For Panel Size marked with (°) Special curved bottom for vehicular movements

FIBERGLASS MOLDED GRATINGS

Construction

Fiberglass Molded Gratings are produced by wet moulding and hot curing in a heated mould. The reinforcement consists of continuous fibreglassroving in alternating layers, so the loads are distributed evenly in all directions. Regularly Molded Fiberglass Gratings have a polyester resin matrix. Glass content is approximately 35%. Standard colours are green, yellow or grey, other colours are available according to RAL.

Resin Selection Systems

Resin Selection

The first step to ensure maintenance - free flooring solution is Aeron Grating. Having an appropriate resin makes highest performance in the most demanding circumstances. Aeron Gratings are available in five standard resin grades which are highly economical while they maintain high standards of performance.

Resin Grades

Resin Type	Resin Base	Description	Flame spread rating ASTM E84
Type V	Vinyl Ester	Superior Corrosion Resistance & Fire Retardant	Class1, 25 or less
Type IFR	Isophthalic Polyester	Industrial Grade Corrosion resistance & fire retardant	Class 1, 25 or less
Type I	Isophthalic Polyester	Industrial Grade Corrosion resistance in acidic environment	Non fire retardant
Type P	Phenolic	Low smoke and superior Fire Resistance	Class 1, 5 or less

Comparison with conventional materials

PARAMETERS	FIBERGLASS GRATINGS	HOT DIPPED GI	SS
Life Span	High	Moderate	High
Strength To Weight Ratio	High	Low	Low
Life Cycle Cost	Low	High	High
Corrosion Resistivity	Very High	Moderate	High
Chemical Resistivity	Very High	Moderate	High
Electrical Conductivity	Nil	High	High
EMI / RFI Transparency	High	Nil	Nil
Installation Cost	Low	Moderate	Moderate
Handling	Very Easy	Difficult	Difficult
Anti Skid	Available	NA	NA
Colour Range	Available	NA	NA

Applications

- » Walkways
- » Platforms
- » Trench covers
- » Staircase
- » Floorings
- » Foot Bridges
- » Step Treads
- » Swimming pool overflow
- » Fencing
- » Elevated car parking
- » Earth pit covers
- » Etc....



FIBERGLASS PULTRUDED GRATINGS



Pultruded Gratings

Pultruded Gratings are famous for high strength, corrosion resistance, long life and safety in the most difficult environment. These also adhere to the highest international standards. design ensures that reliable services are possible for several years as they are assembled from interlocking pultruded profiles thus outperforming the traditional materials they replace.

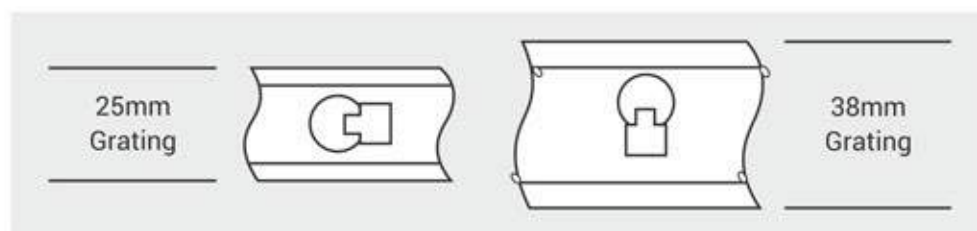
Being lightweight, easy to put together and install, good performance and cost effectiveness makes it a better choice than steel in several major industries.

An entire collection of gratings is offered to satisfy wide-ranging industrial needs and high load requirements for safety at work.

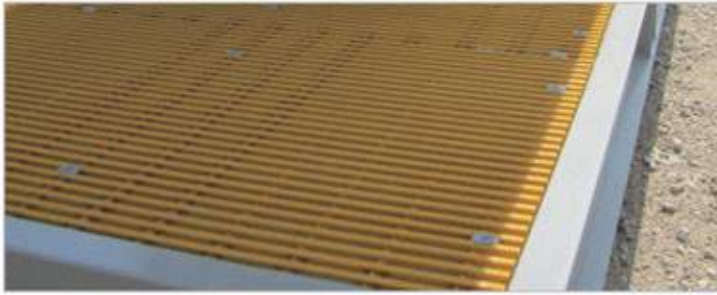
Bearing Bars & Cross-rod Assemblies

Unlike molded grating which has equal strength in both directions, Pultruded grating is stronger in the longitudinal direction as it is fabricated from bearing bars & interlocking rod and groove bar assemblies. For that reason Pultruded grating sizes are specified by width (the cross-rod dimension) x length or span (the bearing bar dimension).

The bearing bars used for Industrial grating are pultruded I bars and T Sections and these bars are 25mm (1 Inch) and 38mm (1.5 inches) deep. For the 25mm (1 inch) deep grating the cross-rod assembly is used horizontally, whilst for 38mm (1.5 inches) and 50mm (2 inches) deep products cross rods are used vertically.



FIBERGLASS PULTRUDED GRATINGS



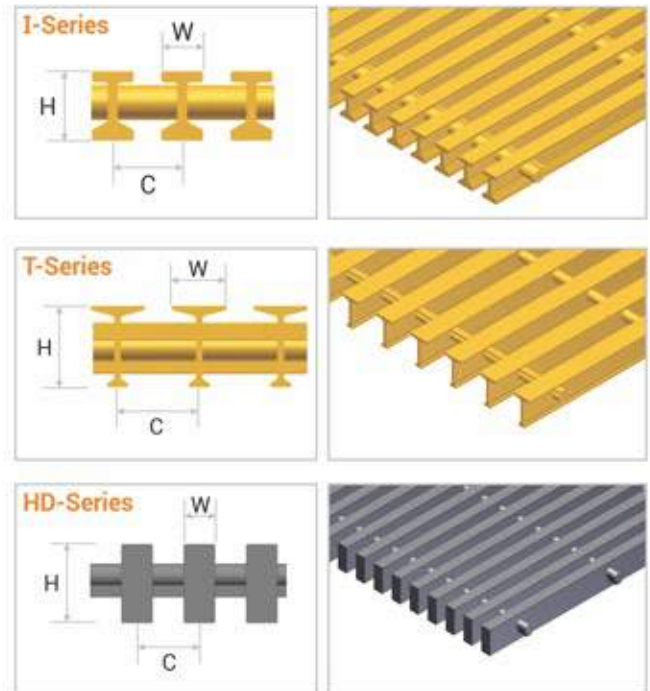
The I bar assemblies are offered in standard size with 40%, 50% and 60% open areas whereas the T bar assemblies have 17%, 33% & 50% open areas as standard. Nomenclature use to describe each industrial grating style refers to its bearing bar style (I or T), its open area and its metric depth.

For example...

I 1560 = I bearing bar : 60% open area : 38mm deep

T 1033 = T bearing bar : 33% open area : 25mm deep

	H-Height (mm)	W-Top width (mm)	C-Spacing (mm)	Open Area (%)
I-1040	25	15	25	40
I-1050	25	15	30	50
I-1060	25	15	38	60
I-1240	30	15	25	40
I-1260	30	15	38	60
I-1540	38	15	25	40
I-1550	38	15	30	50
I-1560	38	15	38	60
T-1033	25	25	38	33
T-1050	25	25	50.8	50
T-1517	38	25	30.5	17
T-1533	38	25	38	33
T-1550	38	25	50.8	50
T-2033	50	25	38	33
T-2050	50	25	50.8	50
HD-1540	38	15	25	40
HD-1550	38	15	30	50
HD-1560	38	15	38	60



For customized size and loading standards please contact our sales team.
Pultruded Grating of Height 30mm, 50mm & Custom Height also available on request.

Allowable Spans for Vehicular Loads

	Wheel Load (kg) 1/2 Axle Load +30% Impact	Load Distribution (in mm)	Allowable span in mm		
			HD 1540	HD 1550	HD 1560
 AASHTO Standard Truck4 / 14500kg Axle Load Dual Wheels(*formerly AASHTO H-20)	9425 kg	500	425	350	300
 Automobile Traffic / 2200 kg Vehicle 700 kg Load / 55% Drive Axle Load	1000 kg	200	700	675	650
 5 ton Capacity Forklift / 6500 kg Vehicle 11500 kg Total Load / 85% Drive Axle Load	6350 kg	275	375	350	300
 3 Ton Capacity Forklift / 4500kg Vehicle 7500 kg Total Load / 85% Drive Axle Load	4150 kg	175	400	350	300
 1 Ton Capacity Forklift / 2000 kg Vehicle 3000 kg Total Load / 85% Drive Axle Load	1650 kg	100	500	500	475

FITTINGS

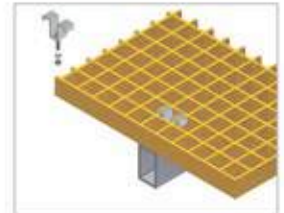
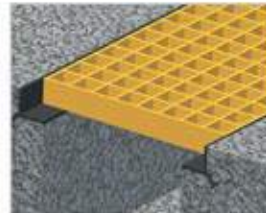
Accessories :

Applicable for our gratings we have special support angles which are concreted into the basement directly.

Fixing Sets

Easy to assemble without any special tools. A pultruded Fiberglass angle can be used as a frame for all Fiberglass gratings.

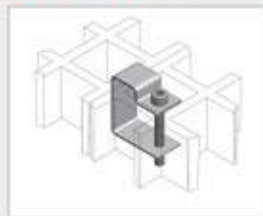
Stainless steel fixing sets can be used for all standard Fiberglass gratings and support constructions. To prevent Fiberglass gratings perfectly against lifting and sliding away each panel should be fixed on at least four points.



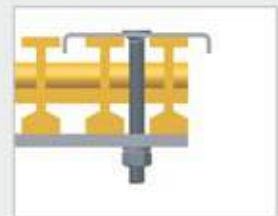
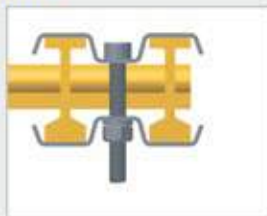
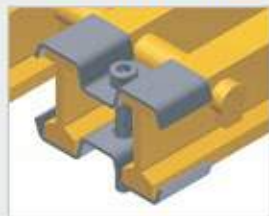
M-CLIP FOR MOLDED GRATING



C-CLAMP FOR MOLDED GRATING

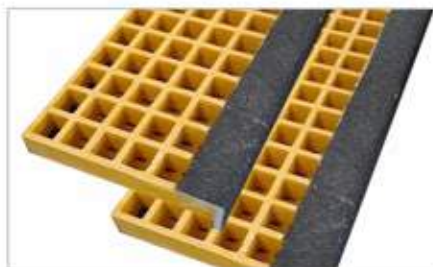


M-CLIP FOR PULTRUDED GRATING

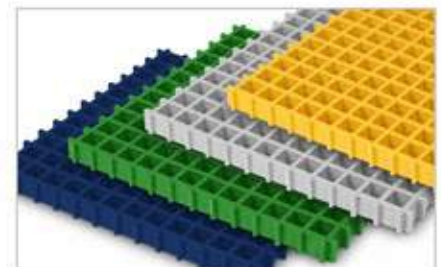


Fiberglass Step Treads

Easy to assemble and providing high safety. Fiberglass Step Treads fulfil high safety standards. They are produced in the same way as the Fiberglass Profile Gratings and the Fiberglass Molded Gratings with additionally reinforced and highlighted edges.



Color Selection



SUCCESS IS ALL
ABOUT MAKING
RIGHT CHOICES!

WHY



- » DESIGN & ENGINEERING SERVICE
- » CUSTOM SOLUTIONS
- » SHORT DELIVERY PERIOD
- » FABRICATION & ASSEMBLY
- » HIGH QUALITY
- » OPTIMUM INVESTMENT

Grow with us..





**Fiberglass
Cable Tray**



**Fiberglass
Structural Profiles**



**Fiberglass
Ladder**



Trefoil Clamp



**Fiberglass
Handrails**



**Fiberglass
Pultruded Gratings**



**Fiberglass
Canopy**



**Fiberglass
Fencing**



**Fiberglass
Molded Gratings**



**Fiberglass
Poles & Mast**

GRP planters

Glass Reinforced Plastic (GRP) planters can be used for interior & exterior projects. GRP is strong, watertight & light weight.



ONE OF THE LEADING FIBERGLASS COMPANY IN UAE

"GFG" PLANTER BOX




BENEFITS -

- * LIGHT IN DESIGN
- * DURABLE
- * CORROSION RESISTANT
- * WATER RESISTANT
- * HIGH STYLE
- * UV RESISTANT
- * FROST RESISTANT



Fluted vases and planters with a rough, earthen finish. Specify textured for a smoother, rippled look or natural finishes for rustic stoneware.



	CODE		
	ANTVA1	300mm x 700mm	
	ANTVA2	380mm x 900mm	
	ANTVA3	500mm x 1200mm	
	ANTVA4	670mm x 1600mm	

	CODE		
	ANTPL1	420mm x 400mm	
	ANTPL2	500mm x 500mm	
	ANTPL3	650mm x 650mm	
	ANTPL4	800mm x 800mm	



Beverley is an elegant shaped planter available in a variety of colours to compliment any environment.



GRP PLANTERS



CODE

BEVERLEY01



430mm x 790mm

Beverley is available in a wide variety of colours & metallics.
Contact us for more information.



Created for spectacular specimen planting of every size. Compliments without overshadowing.



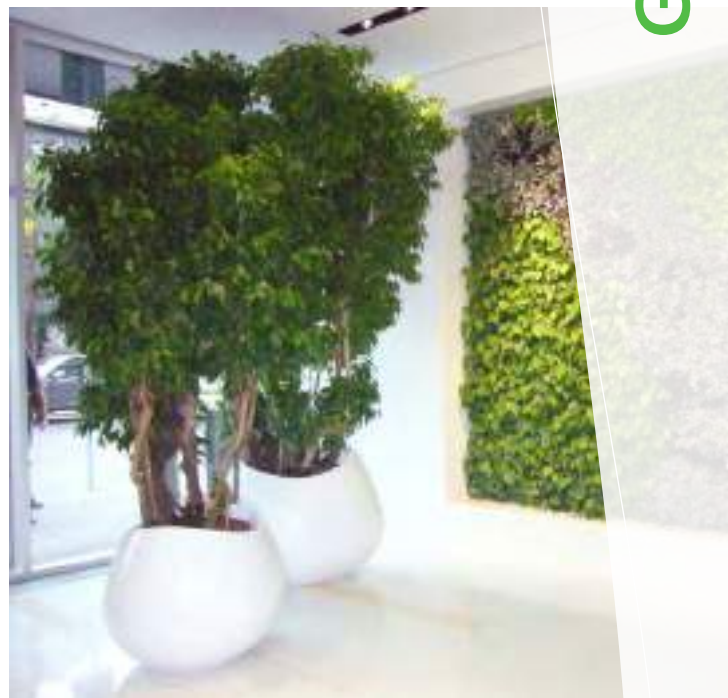
GRP PLANTERS



CODE



BLOB01	650 x 560 x 500mm	445 X 420mm
BLOB02	975 x 840 x 750mm	600 X 570mm
BLOB03	1100 x 950 x 850mm	700 X 640mm
BLOB04	1540 x 1330 x 1190mm	1000 X 960mm



Desk top to tree planter available in a wide variety of different colours and finishes.



GRP PLANTERS



CODE



CIR1	235mm x 200mm
CIR2	420mm x 420mm
CIR3	520mm x 500mm
CIR4	620mm x 580mm
CIR5	720mm x 680mm
CIR6	900mm x 850mm



Beautiful interlocking barriers that combine with Marilyn, Ursula & Sophia for funky features and stylish screening.



GRP PLANTERS







CODE 

CURBRI01	900 x 350 x 900mm (out/out)
CURBRI02	900 x 350 x 900mm (in/out)
CURBRI03	900 x 350 x 600mm (out/out)
CURBRI04	900 x 350 x 600mm (in/out)



The classic curve. Award-winning design.



	CODE				
	CURMA01	350 x 350 x 600mm			
	CURMA02	350 x 350 x 900mm			
	CURMA03	350 x 350 x 1200mm			



GRP PLANTERS

Sculptural and elegant, planting is optional in the ultimate Curvy S & Double S. Make a statement with the monumental Curvy S XXL.



	CODE		
	CURS01	350 x 350 x 1200mm	
	CURS02	350 x 350 x 1500mm	
	CURS03	350 x 350 x 1800mm	
	CODE		
	CURSHD01	350 x 350 x 1200mm	
	CURSHD02	350 x 350 x 1500mm	
	CURSHD03	350 x 350 x 1800mm	
	CODE		
	CURSXXL01	700 x 700 x 1800mm	
			620 x 620mm



Broad feature lips brighten foliage from below with reflected light. Beautiful in Pearlescent and Stardust finishes.




CODE		
DUNE01	500mm x 510mm	 
DUNE02	500mm x 670mm	
DUNE03	670mm x 670mm	
DUNE04	500mm x 900mm	
DUNE05	500mm x 1200mm	





The Eclipse planter is a simple and stylish container which is available in a variety of different colours.





CODE

ECLIPSE01

480mm x 850mm


Eclipse is available in a wide variety of colours & metallics.
Contact us for more information.



GRP PLANTERS

The Katana range of tall, short and desk-top planters is both striking and simple at the same time. Available in a variety of different colours.





CODE		
KATANA01	850mm	500mm x 480mm
KATANA02	1000mm	500mm x 480mm

Katana is available in a wide variety of colours & metallics.
Contact us for more information.



GRP PLANTERS

The ubiquitous classic. Use it everywhere.





CODE	
KUDT1	230 x 230 x 250mm
KU1	340 x 340 x 600mm
KU2	420 x 420 x 800mm
KU3	500 x 500 x 950mm
KU4	550 x 550 x 1200mm



GRP PLANTERS

Quirky and unconventional with bold rounded corners.



GRP PLANTERS

CODE



QUAD1	235 x 235 x 200mm
QUAD2	420 x 420 x 420mm
QUAD3	480 x 480 x 480mm
QUAD4	600 x 600 x 580mm
QUAD5	700 x 700 x 700mm
QUAD6	900 x 900 x 900mm



Be unconventional for longer. Tall with optional feature Hot Lip & planting insert.



CODE



QUADPL01 330 x 330 x 600mm

QUADPL02 430 x 430 x 800mm



GRP PLANTERS

Classically elegant and architectural. Repeat for impact.



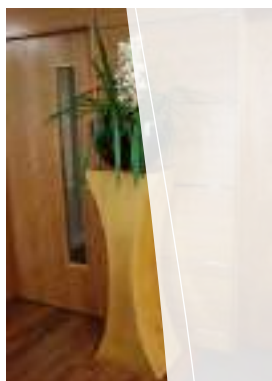
GRP PLANTERS



CODE



CURSOP01	260 x 350 x 600mm	170 x 260mm
CURSOP02	350 x 350 x 900mm	260 x 260mm
CURSOP03	460 x 350 x 1200mm	360 x 260mm



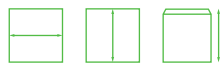
Truly terrific, space saving triangles with many possible combinations.



GRP PLANTERS



CODE



TRIF01 310 x 333 x 540mm

TRIF02 414 x 440 x 725mm




TRIF03 516 x 547 x 855mm



Two sides of the same coin. Use one of each for dual design elegance or singly as space saving features.



GRP PLANTERS

 Yang 02 in gold leaf	CODE   		
	YING01	340mm x 790mm	220mm
	Narrow Top		
  Ying 01 Yang 01	YING02	420mm x 1045mm	280mm
	Narrow Top		
	YING03	500mm x 1600mm	330mm
	YANG01	340mm x 790mm	220mm
	Bulbous Top		
	YANG02	420mm x 1045mm	280mm
	Bulbous Top		
	YANG03	500mm x 1600mm	330mm
	Bulbous Top		



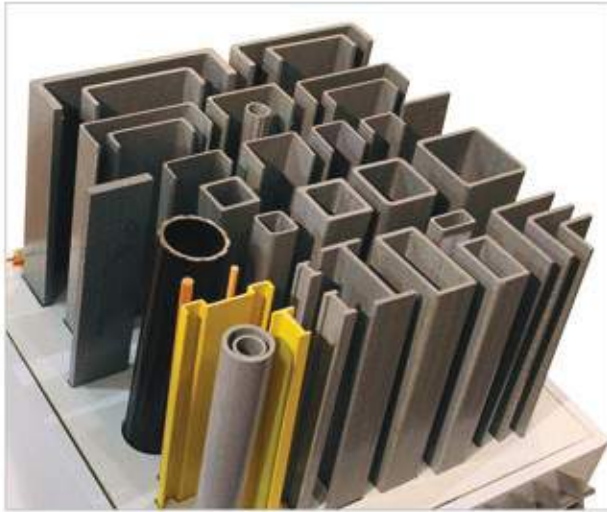
GLOBAL



FIBERGLASS



FIBERGLASS STRUCTURAL PROFILES



GRP or FRP Structural pultruded profiles are manufactured by combining a resin matrix with a fibre reinforcement. This is formed and cured in a continuous process creating a product of extraordinary strength and resilience. GRP Structural Pultruded Profiles provide a variety of benefits and mechanical properties matching or exceeding steel equivalents. A wide range of structural profiles are available including U Channel, I-Beam, Tube, Box, Angle, Rod & Hand Rail.

Resin System

As a standard, Isophthalic polyester resins are used for the matrix. To fulfill special requirements the following resin types are applied:

- » Isophthalic resin : moderate corrosion resistance and fire resistance
- » Vinyl ester resin : extreme corrosion resistance and fire resistance

For design parameters ask for design manual from sales team.

Type Of Structural Profiles



The profiles listed above are only a very small proportion of our range. If you should require a custom profile please do not hesitate to contact us. All profiles manufactured in accordance with CTI 137 Standard.

FIBERGLASS ADVANTAGE



INDUSTRY
SEGMENT

Various properties of Fiberglass Pultruded Structural Profile

Mechanical Properties	Standard Followed	Units	Lengthwise Min. Value	Crosswise Min. Value
Tensile Stress	ASTM D-638	MPa	206.8	48.2
Tensile modulus	ASTM D-638	GPa	17.2	5.5
Compressive Stress	ASTM D-695	MPa	206.8	103.4
Compressive modulus	ASTM D-695	GPa	17.2	6.9
Flexural Stress	ASTM D-790	MPa	206.8	68.9
Flexural Modulus	ASTM D-790	GPa	11	5.5
Izod Impact	ASTM D-256	J/mm	1.28	0.22
Ultimate Bearing Stress	ASTM D-953	MPa	206.8	206.8
Modulus of Elasticity	Full Section	GPa	17.9	-
Shear Modulus	Full Section	GPa	2.9	-
Poison's Ratio	ASTM D-3039	mm/mm	0.33	-
Short Beam Shear	ASTM D-2344	MPa	31	-

Physical Properties	Standard Followed	Units	Min. Value
Barcol Hardness	ASTM D-2583		45
24 Hours Water Absorption	ASTM D-570	%	Max 0.6
Density	ASTM D-792	gm/cc	1.72-1.95
Glass Content	ASTM D-2584	%	min 55%
Limiting Oxygen Index	ASTM D-2863	%	min 30%

Electrical Properties	Standard Followed	Units	Min. Value
Arc Resistance Lengthwise	ASTM D-495	Seconds	120
Dielectric Strength Lengthwise	ASTM D-149	kV/mm	4.5

Flammability Properties	Standard Followed	Units	Min. Value
Flame Spread	ASTM E-84	Flame spread	Less than 25 mm
Flammability	ASTM D-635	Seconds	Less than 5 sec.
Vertical Burn Test	UL 94	----	V0

Profiles are checked for Visual Defects as per ASTM D 4385-02 and Dimensional Tolerance as per ASTM D3917 - 12

Fabrication Details



Beam to Beam



Beam to Beam



Wide Flanged Column



Beam to Channel



Beam Over Beam



Channel to Channel





WE BELIEVE IN
**LONG TERM
RELATIONSHIP**

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FIBERGLASS

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POLYETHYLENE Water Storage Tanks

We guarantee for High Quality, Clean and Hygienic, bacteria free, fungus free, no temperature fluctuation, ultra violet protection, no rust, no corrosion, no leakage, strong pressure and heat resistance, recommended by builders, architects and consultants for potability and purity of water and its strength, convenience and durability.

Each product is made to the highest quality using Linear Low Density Polythene – an environmentally compatible Hydrocarbon, Global Polyethylene tanks are designed using the latest and fine analytical methods.

High Quality

Polyethylene used is approved by food and drug administration (FDA)

Clean and Hygienic

Smooth inner layer resists the existence and prevalence of bacteria, algae, fungus etc and enhance the potability of water. It also ensures no smell, no colour and no taste.

No Temperature Fluctuation

The black middle layer resists the heat and the water in the tank remains cool, the specially designed outer layer (UV- stabilizer off sets the ultra violet rays.)

No Rust, No Corrosion

Raw material used in the manufacturing ensures corrosion free and rust free storage

Leak Proof

Single piece moulded body ensures, no joints, no leakage and 100% maintenance free water storage.

Strong and Secure

Special circular and vertical ribs ensure the resistance against the environmental stress and high liquid pressure i.e there will not be any cracks in the body and ensuring long life.

Threaded caps ensure tight closure and take guard against dust and other contaminations.

Easy to install and highly adaptable

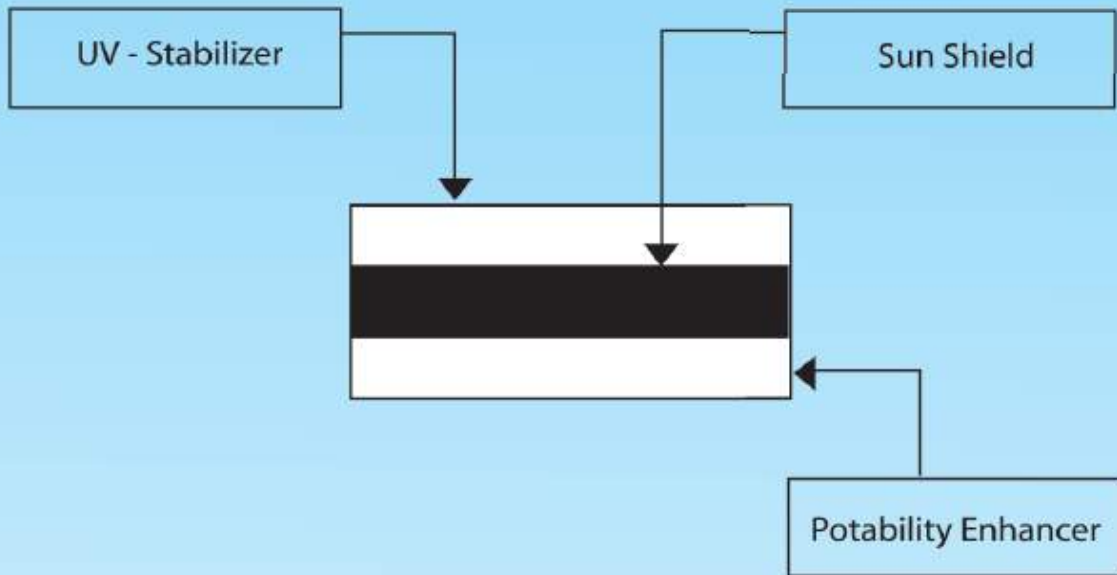
Light weight tanks are designed for easy handling and installation. It is not only convenient to handle but also adaptable to different applications. Such as in house holds, irrigation, institutions and factories etc and suitable for overhead and underground applications.

Available in many sizes Proposed Polyethylene tanks are available in the range of 50 US Gallons to 5000 US Gallons. So that it will satisfy every one's needs.

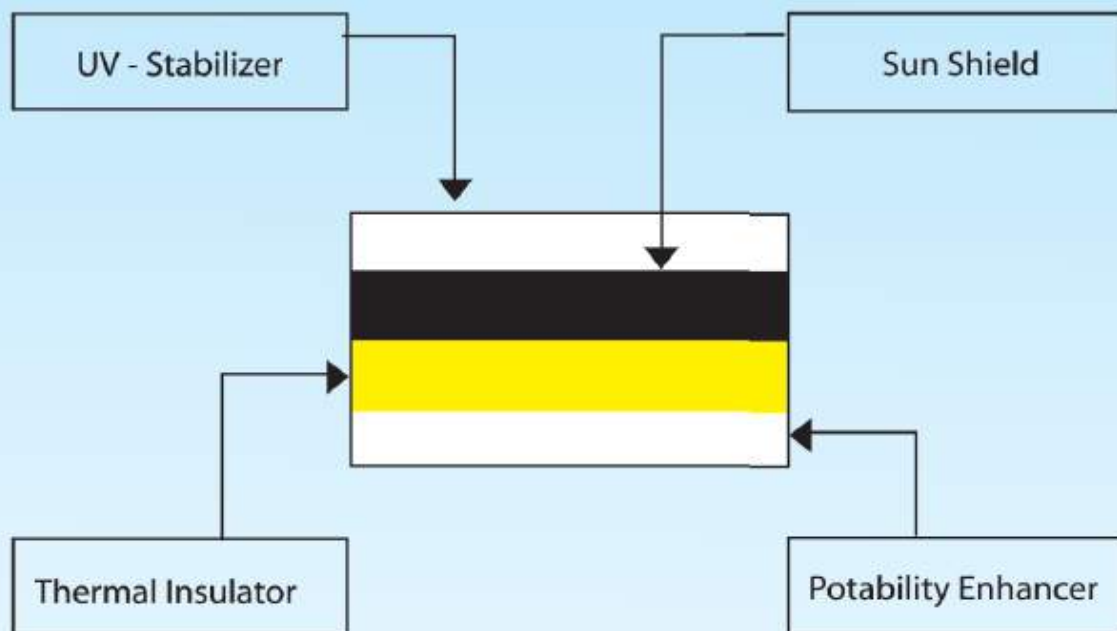
Supply of UPVC connectors

UPVC Outlet, inlet, overflow and drainage shall be provided as per client requirement

Three Layers Tank



Four Layers Insulated Tank





DIMENSIONS HORIZONTAL TANKS

Code No	US Gallons	Dia (mm)	Height (mm)	Length (mm)	Min. Wall Thickness (mm)	Insulated Tank Thick (mm)	Man Hole Size (mm)
DPH-05	50	510	600	800	4.5	-	230
DPH-07	75	600	675	1000	4.5	-	230
DPH-10	100	700	775	1100	5	6.5	375
DPH-20	200	900	1000	1250	5.5	7	400
DPH-30	300	925	1025	1500	6	8	400
DPH-40	400	1000	1100	1600	6.5	9.5	400
DPH-50	500	1150	1250	1700	7.5	10.5	400
DPH-60	600	1250	1350	1800	8	11	475
DPH-80	800	1350	1450	2000	9	12	475
DPH-100	1000	1500	1575	2150	9.5	13	475



DIMENSIONS VERTICAL TANKS

Code No.	US Gallons	Dia (mm)	Height (mm)	Min. Wall Thickness (mm)	Insulated Tank Thick (mm)	Man Hole Size (mm)
DPV-05	50	560	800	4	-	230
DPV-10	100	780	995	4	5.5	400
DPV-20	200	1000	1155	4	6	400
DPV-30	300	1200	1200	4.5	6.5	400
DPV-40	400	1350	1280	5.5	7	400
DPV-50	500	1350	1560	6	8	400
DPV-60	600	1350	1800	6	8.5	400
DPV-70	700	1650	1500	7	8.5	475
DPV-80	800	1500	1900	7.5	9	400
DPV-100	1000	1650	2050	8	10	475
DPV-100	1000	1800	1600	8	10	475
DPV-120	1200	1800	2000	8.5	10.5	475
DPV-150	1500	1950	2000	9	11.5	475
DPV-200	2000	2132	2327	9.5	12	475
DPV-300	3000	2400	2770	10	13	475
DPV-400	4000	2600	3100	11.5	13	475
DPV-500	5000	2820	3325	12.5	14	475

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