



GHAZIABAD POLYMERS

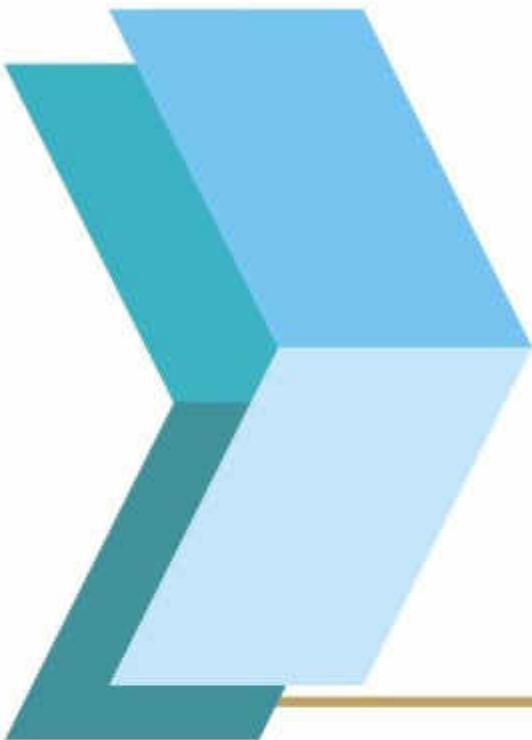
Private Limited



2016
CATALOGUE

**6 We are as PASSIONATE
about our carbon footprint,
as we are about the QUALITY
of our PRODUCTS. 9**





OUR STRENGTH FOUNDERS



C.V. Singh



S.K. Sengupta

From Director's Desk

For over two decades Ghaziabad Polymers Pvt. Ltd. has led the way as an innovative supplier of tanks and specialized equipment for needs. Customers all around the globe trust in the knowledge and skill for what we are continuously striving. The core of the Spirit of Ghaziabad Polymers Pvt. Ltd is responsibility and trust, reliability and cooperation strong value which makes us believe in a successful future. We always believe to rely on strong values. Long term objectives and sustained success characterize our strategy.

GPPL now includes a full line of fiberglass, mild steel and stainless steel storage and field-use tanks for Steel, Paper, Fertilization FMGC, Pharmaceutical & Chemical Industries. Today GPPL is also fast becoming a recognized leader in the manufacturer of other specialized equipment like Effluent Treatment Unit & Exhaust System.

We speak your language

Be it robustness precision or compact; every industry has its specific requirement of process engineering. Technical specifications and standards have to be met and often compliance must be proven by documents and certificates. Nobody is more aware of this than you. Therefore you Need advisors who know your business and competitive environment. People who speak your language.

Comprehensive knowledge of the process of our customers is the beginning of every successful partnership for us. This is the only way in which we can discuss matters with you on an equal footing and find the best solution for your measuring tasks. We want to help you to stay successful and become more successful. For your facilities we are always on your doorstep.

Capability

We are experienced in providing turnkey solutions from initial design to safe and efficient tank construction and commissioning. Our in-house engineering and design capability allows us to create innovative and customised solutions to meet specific applications. Our in-house project management and construction capability ensures we are in control of all stages of the project from concept to commissioning and we will manage risk appropriately throughout the process. Our organization is supported with contemporary infrastructure that is equipped with cutting-edge machinery & tools.

6 This wide span of
TIME & EXPERIENCE
has taken us at the top in the
INDUSTRY,



We offers FIBERGLASS TANKS

Feature & Options

- Fibreglass tanks are designed to eliminate all effects of chemical corrosion providing long term performance. All GPPL fibreglass tanks come with a 3 years warranty.
- Appropriate Polymer Resin system according to chemical compatibility and design considerations. Superior grade resin General Purpose Vinyl Ester & Superior Vinyl Ester also offered for higher durability and resistivity.
- We offer of different MOC: like FRP,FRV, PP-FRP, PVC-FRP, PVDF-FRPPPH-FRP etc.
- Well finished and precise manufacturing process with ultraviolet resistance exterior coating for long lasting.
- Accessories like Level Indicator & Level Sensor with controlling system for spillage protection of hazardous process fluid.
- Facilities provided like Nozzles Manhole & ventilation provision according to Client requirement.
- Design Standard for Tank manufacturing : BS-4994
- Tank Size Availability : From 4 KL to 200 KL



METALLIC TANK

- Metallic Tank of different chemical composition like Mild Steel, Stainless Steel (SS304, SS316, SS316L) as per design criteria, Chemical resistivity and required strength.
- With different geometry of Horizontal Cylindrical and Vertical cylindrical.
- With Conical Flat & Torispherical dish end.
- Design Standard for manufacturing : IS-803
- We offer all type of storage tank and process tank for industries like Steel, Paper, Fertilization FMGC, and Pharmaceutical & Chemical Industries.
- Appropriate material selection and process design from concept to validation by well experienced and dedicated experts.
- Facilities like nozzles, access provision, Manhole, & Ventilation system according to client requirement.
- Accessories like Level indicator, Level Sensor with controlling system to prevent the system from any miss happenings.
- Bulk storage for flammable solvents as per PESO guideline with licensing.
- Capacity range 4 KL to 150 KL.



EFFLUENT TREATMENT PLANT

Industrial wastewater contains a diversity of impurities and therefore its requires specific customized solution. Ghaziabad Polymers Pvt. Ltd. provides a high-performance custom treatment solution for any variety of wastewater types and industries. We meets the objective of customer to achieve the emission limits for industrial effluent that are constantly being tightened up. Closed circuits and product recovery in various production processes are becoming an increasing priority among manufacturing & production companies.

GPPL has long-term experience in the industrial wastewater treatment sector. The resulting expertise is advantageously employed for the technical and economic optimization of every subsequent facility. The treatment process may contain Physio-chemical, biological (Anaerobic and Aerobic) and other process steps. In the case of biological (Anaerobic), we offer Low and high rate reactors chosen specific to the client's needs based on the applications. We have experience of designing and building up many small-medium-large-scale plants on the basis of the world's most frequently used UASB process. We also offer a high rate digester for medium organic strength wastewater that combined the two technologies together under an Anaerobic environment i.e UASB and Anaerobic Filter. Our innovation on the technologies continues to provide world class and most advanced solutions to our customers on account of meeting their objective completely, economization on capital investments, low operating costs, space savings.



Ghaziabad Polymers Pvt Ltd Environmental Zone offers a range of specialized Engineering services & turnkey solutions based on practical experience garnered over the years in following areas:

Water Treatment Plants

Apart from conventional water treatment Plants some of the technologies used includes :

- Sludge Blanket Lamella Clarifiers
- Reactor Clarifiers



Sewage Treatment Plant

GPPL has very wide experience and knowledge in executing turnkey installation of STP using various treatment processes and technologies such as :

- Conventional Activated Sludge Process (CASP)
- Extended Aeration System (EA)
- Up Flow Anaerobic Sludge Bed Reactor (USAB)
- Sequence Batch Reactor (SBR)
- Moving Bed Bio film Reactor (MBBR)
- Membrane Bioreactor
- Facultative Aerated Lagoon



Industrial Effluent Treatment Plant (ETP)

GPPL has applied its comprehensive know-how of various processes to provide optimum solution for advanced treatment of waste water of diverse industrial origins. Some of the process employed for industrial effluent treatment plants are :

- Physico-Chemical Treatment Process
- Pre-treatment like Coagulation, Flocculation, Sedimentation & Floatation
- Biological Treatment : Extended Aeration, Activated Sludge Process, Bio- Tower, Up flow Anaerobic Sludge Bed Reactor(USAB), Moving Bed Biofilm Reactor(MBBR), Sequence Batch Reactor (SBR)
- Oil removal system, TPI unit, Belt Oil Skimmer, Floating Oil Skimmer
- Sludge thickening, conditioning and dewatering with centrifuge, Belt filter press
- Tertiary Treatment Plants
- Waste to Energy : Biogas based power generation.



PACKED BED SCRUBBER

Ghaziabad Polymers Pvt Ltd packed bed scrubbers are versatile, reliable systems that serve the widest variety of processes. They are used and specified worldwide.

GPPL packed scrubber are highly recommended for the efficient removal of inorganic gases, odor and fumes and are particularly appropriate where gas streams have extreme pH. They are well-suited for use as primary or secondary system in conjunction with thermal oxidizer and are also used in a series where there are multiple-contaminant gas stream.

- For gaseous emission NOx, Cl₂, SO₂ & Others .
- Acid fumes including H₂SO₄ HCl, HNO₃ & HF.
- Odor control – Single and multi stage units.
- Combination systems for hot and cold systems.
- System can incorporate particulate control, gas quench, venturies and carbon systems.
- MOC of different metallic and FRP materials according to chemical compatibility and design consideration.



DESIGN CRITERIA

FLOW RATE:

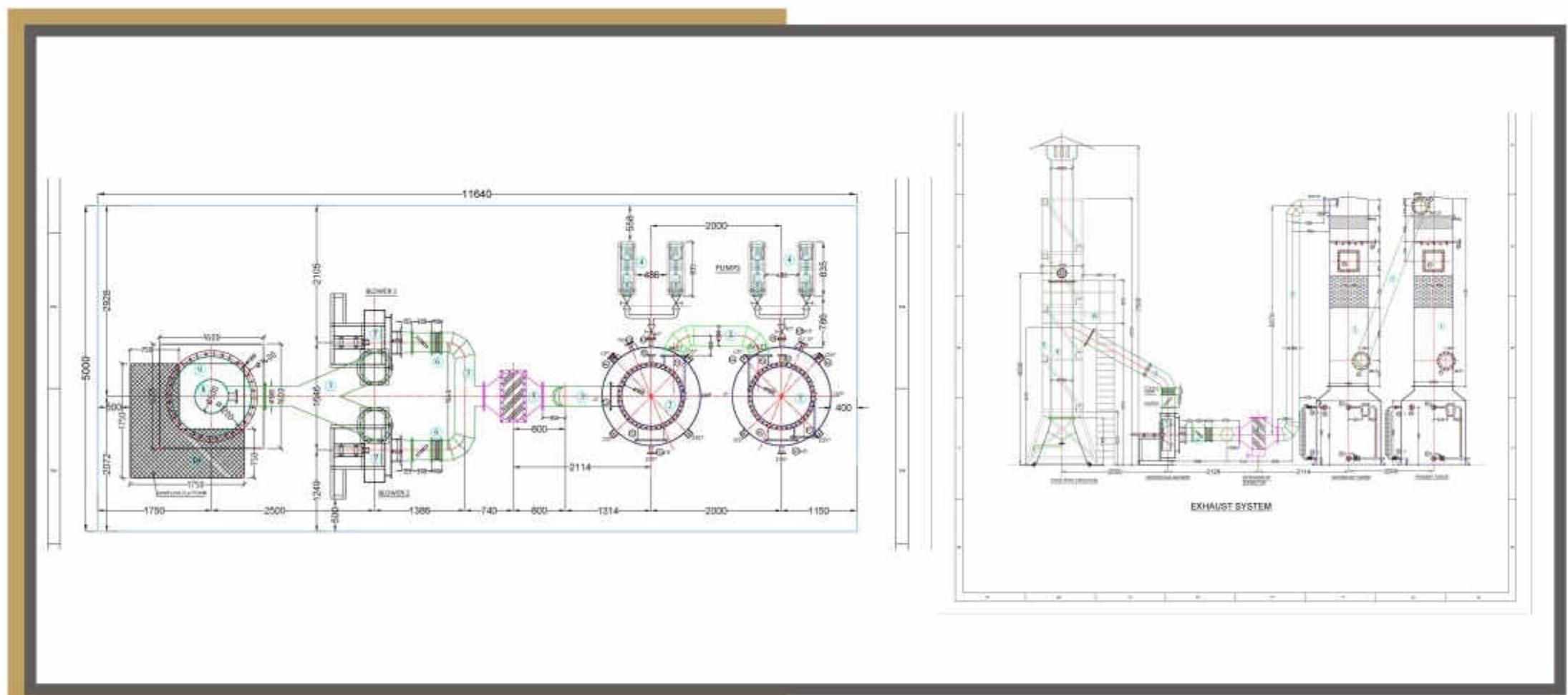
This is determined by the process to be handled by the scrubber, through information provided by customer and GPPL expert analysis. We provide the system from range of 1000 CMH to 50,000 CMH and above.

CONFIGURATION:

Scrubber orientation (Vertical/Horizontal/Circular), Internal Vs External circulation, fan location with respect to tower, duct size, inlet-outlet and location of recirculation pump, tower access service port, service platform, internal accessories like polyring, mist eliminator, spray nozzles, flow measurement equipments.

Material of Construction:

Determined by application because most contaminants involve corrosive gases and fumes, material must be able to withstand continuous contact with high and low pH gases and scrubbing solutions.



Pickling Plant

GPPL has introduced innovative engineering design and development in manufacturing of Thermoplastic Equipments. Introduction of radius at corner using full sheet of Thermoplastic for pickling Tank. Weldless radius provide sound mechanical strength.

GPPL Pickling Tanks are made from Chemical Resistant Thermoplastic and are welded with butt fusion and hot gas extrusion technology (Imported from Europe) and they are welded as per recommendation and standard DVS 2207 laid down by German Welding Society.

Application

- Pickling line for Hot Dip Galvanizing
- Tube& Pipe Pickling Plant (Stainless Steel &Non-ferrous)
- Wire Plating Line (Batch/Continuous)
- Strip/Coil Pickling Line
- Electroplating and Anodizing Tanks
- Pre & Post Treatment Tanks
- Storage & Holding Tanks
- Degreasing Lines
- Passivation Lines
- Lead –Acid Battery Manufacturing Unit.



Quality Testing

- Welding Quality is confirmed by 3 point Bend test, specimen seam is tensile and impact resistance property.
- Leakage testing is carried out prior to dispatch by hydro, vacuum and spark test.
- Test carried out as per DVS 2207 guidelines of German Welding Society.



Specifications

- Planning and construction of tank system with fume exhaust system, Effluent treatment plant.
- Robust design of tank made out of Industrial Thermoplastic.
- Environment friendly Fume Extraction System, avoiding corrosion of surrounding steel construction, cranes and roof structure.
- Plastic Tanks available in flat pack modules (reduced volume)
- Tank made from Industrial Thermoplastic and welded with state-of-the-art hot gas extrusion welding process and stress relieved.
- Modules assembled and welded at site for easy transportation.
- 100% leak proof welding.
- Fume free work place.
- Corrosion free atmosphere.
- Tanks are available up to 24 meter length.
- Polypropylene Tanks are suitable for mixture of hydrofluoric acid, nitric acid also suitable for HCL acid.





PROCESS PLANTS

TOILET CLEANER PLANT

Backed by rich industrial experience, our organization has been able to manufacture and supply a wide range of Toilet Cleaner Plants to the patrons to fulfil their varying needs. To ensure their longer service life, we used ultra-grade raw material for manufacturing these products. We are the leading manufacturer and exporters of Toilet Cleaner Process Plant on turn Key Basis. To achieve the goal of being one of the best Turnkey solutions provider in the Global market by rendering engineering solutions to our clients. These products are known for their outstanding performance and higher efficiency. We are providing to the clients within affordable price range with assurance of timely delivery.



WHY GHAZIABAD POYMERS PVT. LTD.

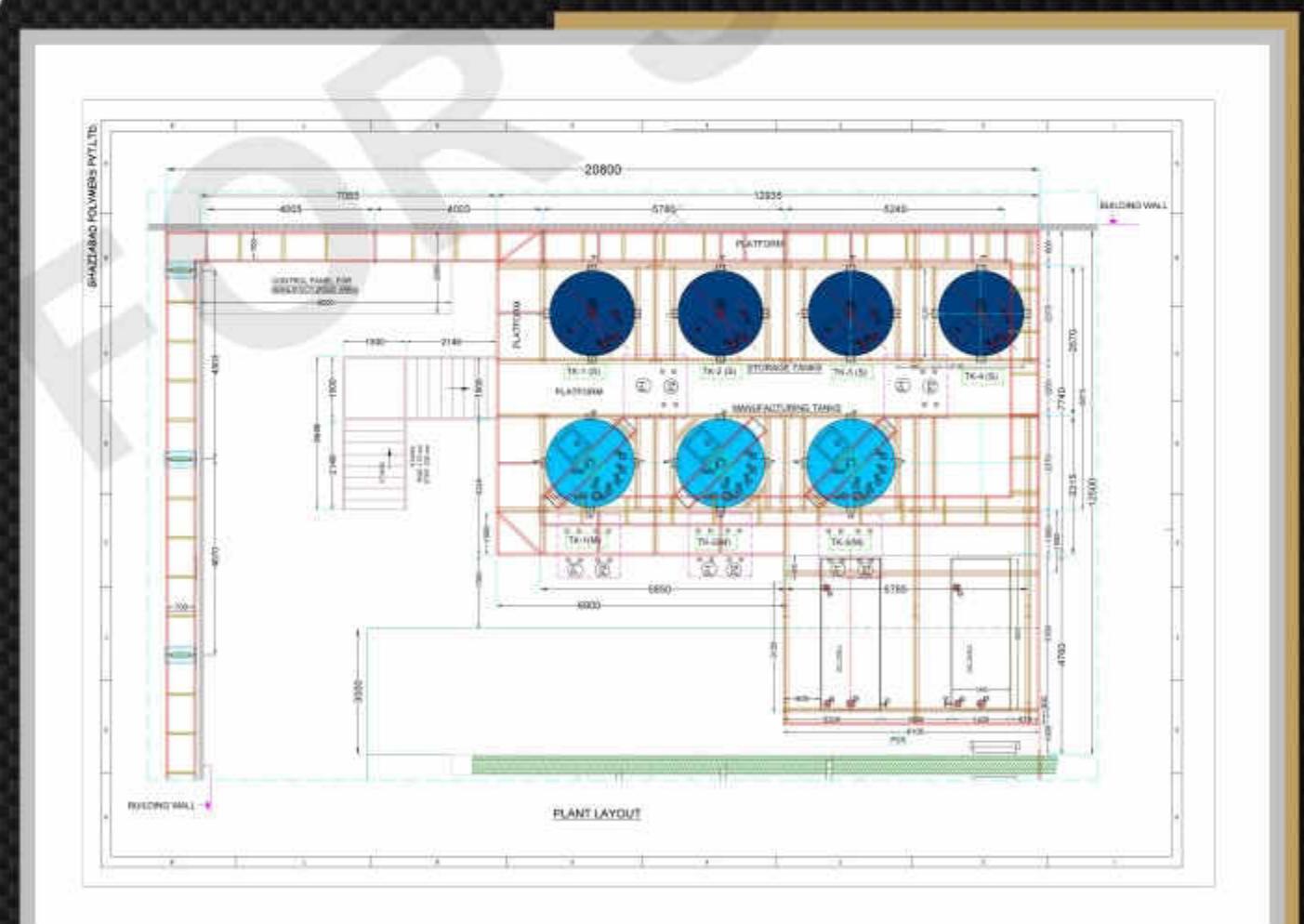
- Concentrated Expertise
- Sustained Growth.
- We speak your language.
- Unmatched Quality and Robust Design
- We will be always right on your doorstep.
- A comprehensive performance range, extending from pilot tests, feasibility studies, approval planning, engineering, installation and commissioning, to operational management
- Unbeaten service provider to our clients.



Salient features and specifications

- Capacity design following the client's requirement starting from 3KL batch capacity.
- Customized design
- Chemically compatible
- Excellent layout design considering future maintenance and space optimization.
- HCl Storage Tank with suitable capacity
- With all safety accessories.
- Effluent Treatment Plant with high accuracy and Efficient.
- Each and every equipment and accessories of unsurpassed quality makers.

**Pic
Required**



Ghaziabad Polymers Pvt. Ltd provides complete solutions for the process plant that includes:

- 1.** Hydrochloric Acid Storage Tank as Raw Material
- 2.** Reverse Osmosis Plant and Demineralization Plant
- 3.** Process Manufacturing Tank
- 4.** Product Storage Tank
- 5.** Day Tank as filler input facilities
- 6.** Filling Machine
- 7.** Scrubber System for HCl storage and manufacturing tank.
- 8.** Production area local ventilation system.
- 9.** Effluent Treatment Plant.

Leveraging years of experience, we have been able to provide a wide range of Toilet Cleaner Plants to our esteemed patrons. These products are manufactured by our professionals keeping in mind the exact specifications of the clients.

Owing to their reliability for a longer service life, these products are highly coveted in the market and acclaimed by the clients. We test these plants for their storage capacity under the surveillance of our diligent quality auditors.



FRP ROOFING SHEETS



Our clients can get a qualitative range of FRP Roofing Sheets which are manufactured and supplied by our organization aiming at optimum client-satisfaction. We manufactured these sheets with premium-grade raw material to ensure their excellent performance, longer service life, high strength, corrosion and heat resistance, accurate dimensions and customized design. Owing to these unique features, our products are highly coveted in the market as well as acclaimed by the clients.

FRP Corrugated Sheets Natural / Translucent colour / Opaque

The machine made FRP corrugated sheets that we offer are available in different thickness, size and length. Their rust proof property help in successfully meeting the challenges of any kind of weather.

Specification

- Thickness: 0.8mm, 1.2mm, 1.5mm, 2mm, 2.5 mm, 3 mm, 4mm
- Colors: Clear, sky blue, light green
- Profiles: Over a range of general profiles
- Length : Cut as per customers requirement
- Density : g/cm² 1.4 to 1.5
- Fiber content : >25%
- Light transmission : 60-85%
- Applicable temperature: 40°C to 120°C

Application areas

- Industrial : Ware housing sheds, site cabins, security cabins
- Domestic : Parking sheds, room extensions, roofing
- Transportation : Bus station, ticket counters, parcel offices, shelters

FRP MOULDED EQUIPMENTS

Backed by extensive years of production experience and in-depth market knowledge, we are able to manufacture and export an optimum quality range of FRP Moulded Items.

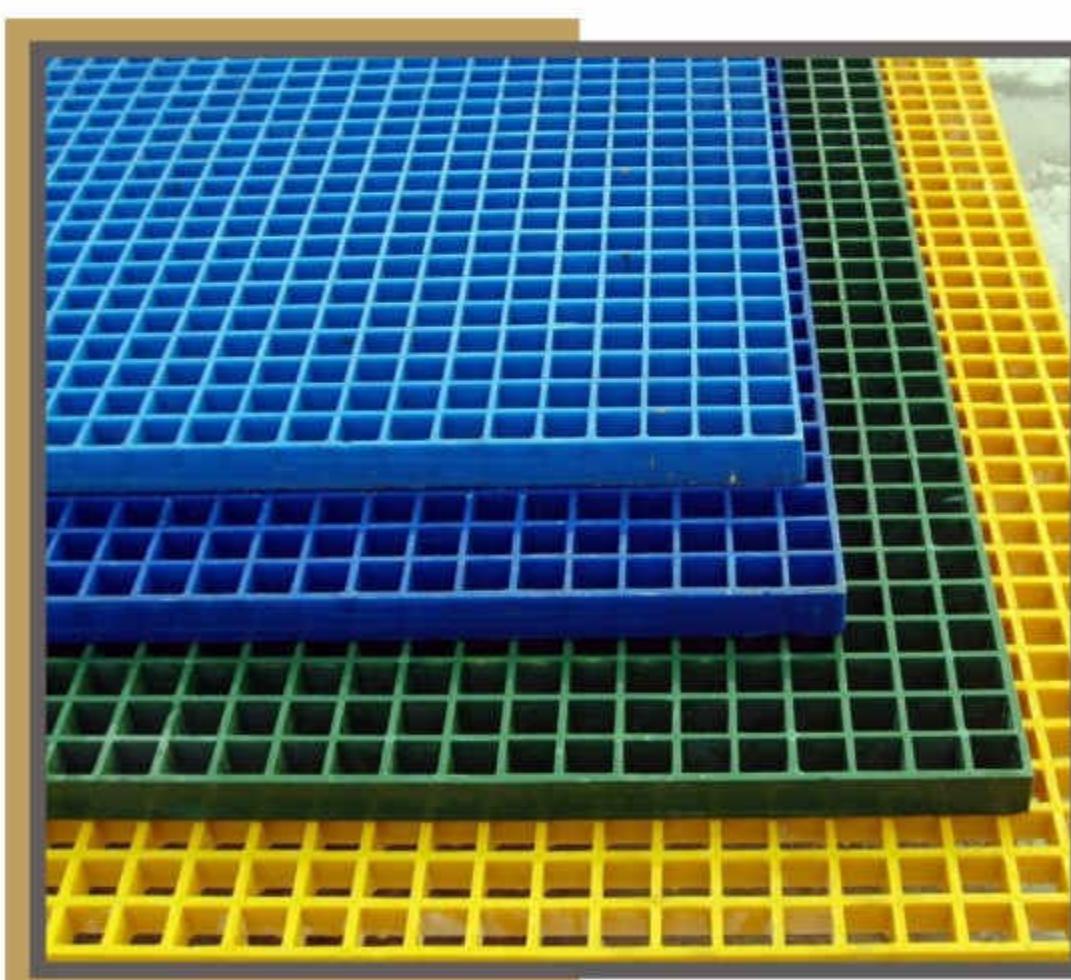
The motive behind this fabrication is only to provide our customer a complete solution for their requirement. We are the one who tries to convert your concept into reality, and so these all FRP/FRV moulded customised item comes into existence. Following the requirement we provide a range of chemically and mechanically compatible composition like Polyester Resin(Isophthalic), Epoxy Vinyl Ester Resin of different characteristics and resistivity.

Our offered items are properly designed and manufactured by utilizing quality tested FRP materials with the help of advance tools. These items are used in several industries. The proposed items are efficiently tested by our well qualified experts on certain parameters. We offer these FRP Moulded Items in different specifications to our clients.



Key Features

- Corrosion Resistant. Easily outperforms metal grating.
- Non-sparking. Ideal where combustible gas or materials are present.
- Non-conductive. Good where electric hazards are present.
- Non-magnetic. Use in sensitive locations where the magnetic properties of metal grating are proven to be unfavourable.
- Low thermal conductivity.
- Good impact resistance.
- Maintenance freedom!
- Light in weight.
- Easy installation. Cut and shape easily with hand tools.



Ghaziabad Polymers Private Limited

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