

AXIOM

Composite Pvt. Ltd.



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ABOUT US

Axiom Composite Pvt Ltd is a 2 year manufacturer and supplier of Fibre Reinforced Plastic (FRP) / Glass Reinforced Plastic (GRP) products, serving industries such as chemicals, power generation, water treatment, oil & gas, marine, and infrastructure. Backed by in-house pultrusion and moulding capabilities, the company designs and fabricates structural and safety products engineered to outperform steel and wood in corrosive, humid, and high-maintenance environments. From structural profiles to complete platform and access systems, Axiom Composite Pvt Ltd delivers FRP solutions built around strength, safety, and long service life, supported by a team of engineers and technicians and a manufacturing facility based in Dahegam Gandhinagar .



Our Vision

To be the preferred FRP solutions partner for industries operating in corrosive and demanding environments, by consistently delivering products that are stronger, safer, and more sustainable than conventional materials, while expanding access to FRP technology across new markets and applications.



WHY CHOOSE AXIOM COMPOSITE PVT LTD?



1. Corrosion & Chemical Resistance

FRP does not rust, rot, or corrode, cutting long-term replacement and maintenance costs compared to steel and wood.



2. High Strength-to-Weight Ratio

Lighter sections mean easier transport, faster handling, and reduced structural load on supporting frames.



3. Electrically Non-Conductive & Spark-Free

A safer choice for hazardous, high-voltage, or explosive-atmosphere environments.



4. Low Maintenance, Long Service Life

No painting, galvanising, or rust treatment required over the product's working life.



5. Customisation Capability

In-house pultrusion & moulding allow tailored profiles, sizes, colours & finishes for projects of any scale, including bespoke canopies & structures.



6. UV-Stabilised, Weather-Resistant Resin Systems

For reliable outdoor performance.



7. One-Stop Product Range

From structural profiles to platforms, railing, and tanks, simplifying procurement for EPC and industrial projects.



8. Quality Assurance

Raw materials and finished products tested at every stage of manufacture.



9. Engineering & Technical Support

For custom applications, load calculations, and site-specific designs.



10. Reliable delivery & after-sales support

Across [region/markets served].

OUR PRODUCT RANGE



1. FRP Pultruded Box Pipe

Manufactured through continuous pultrusion, FRP box pipes deliver a closed, high-strength square or rectangular profile suited to structural framing, support members & piping applications where corrosion resistance and dimensional stability matter.

- High strength-to-weight ratio
- Resistant to corrosion, chemicals & moisture
- Available in custom sizes & wall thickness
- Low maintenance, long service life

TYPICAL APPLICATIONS



Structural Applications



Industrial Structures



Walkways & Handrails



Cable Trays & Support Systems



Marine & Offshore Applications



2. FRP Pultruded Channel

FRP pultruded channels offer a lightweight, corrosion-free alternative to steel C-channels for structural framing, cable support, and general fabrication in chemical and marine environments.

- Constant cross-section strength along full length
- Non-conductive & spark-free
- Easy to cut, drill & fabricate on site
- Resists rust, rot & UV degradation

TYPICAL APPLICATIONS



Structural Applications



Walkways & Handrails



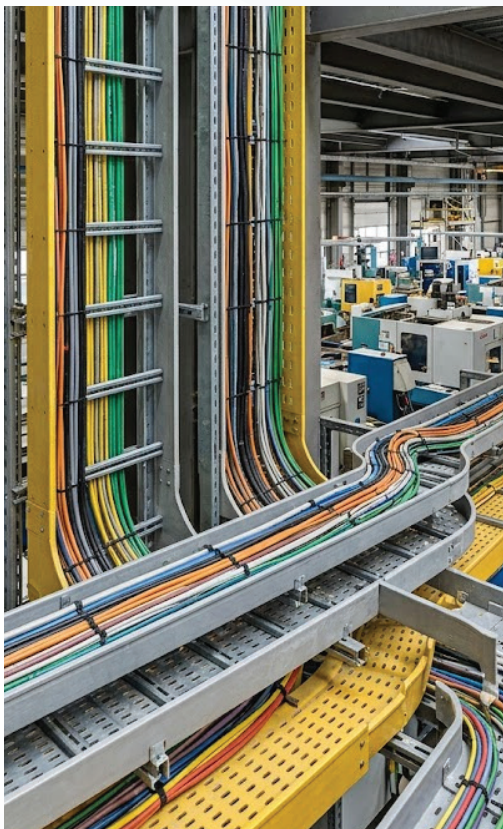
Cable Trays & Support Systems



Industrial Structures



Marine & Offshore Applications



3. FRP Cable Tray

Built for safe, durable cable management, FRP cable trays provide a non-corrosive, fire-retardant routing system for power and instrumentation cabling in chemical plants, water treatment facilities, and offshore installations.

- Excellent dielectric (insulating) properties
- Resistant to chemical fumes & moisture
- Lightweight for fast installation
- Available in ladder, perforated & solid-bottom styles

TYPICAL APPLICATIONS



Industrial Facilities



Power Plants



Marine & Offshore Installations



Chemical Plants



Commercial Buildings



Oil & Gas Industry



4. FRP Moulded Grating

Produced by moulding continuous fibre mat with resin into a solid grid, FRP moulded grating gives uniform load distribution and strong multi-directional slip resistance for flooring, trench covers, and walkways.

High load-bearing capacity
Non-slip grit-top surface
Corrosion and chemical resistant
Fire-retardant resin options available

TYPICAL APPLICATIONS



Walkways & Platforms



Stair Treads & Landings



Chemical & Petrochemical Plants



Water & Wastewater Treatment Plants



Marine & Offshore Installations



Food & Beverage Facilities



5. FRP Pultruded Grating

Assembled from pultruded bearing bars, FRP pultruded grating offers higher load capacity and longer clear spans than moulded grating, making it well suited to heavy-duty industrial flooring and platform decking.

- Higher strength-to-weight ratio for long spans
- Deep bearing bars for heavy loads
- Anti-slip surface options
- Low long-term maintenance cost

TYPICAL APPLICATIONS



Walkways & Platforms



Stair Treads & Landings



Chemical & Petrochemical Plants



Water & Wastewater Treatment Plants



Marine & Offshore Installations



Food & Beverage Facilities



Industrial Flooring



6. FRP Platform & Walkway

Complete modular platform and walkway systems built from FRP structural sections and grating, providing safe, corrosion-resistant elevated access for inspection, maintenance, and operations.

- Fully modular & customisable to site layout
- Lightweight for fast installation
- Slip-resistant decking
- Compatible with FRP handrail systems

TYPICAL APPLICATIONS



Walkways & Catwalks



Platforms & Landings



Chemical & Petrochemical Plants



Water & Wastewater Treatment Plants



Marine & Offshore Installations



Industrial Facilities



Power Plants



7. FRP Hand Rail

Modular FRP handrail systems give a maintenance-free, corrosion-resistant alternative to steel and aluminium railing, providing reliable fall protection on platforms, stairways, and walkways.

- Standard two/three-rail and custom configurations
- UV-stabilised, weather resistant
- Lightweight, bolted assembly – no welding required
- Non-conductive for electrical safety

TYPICAL APPLICATIONS



Walkways & Catwalks



Platforms & Elevated Areas



Chemical & Petrochemical Plants



Water & Wastewater Treatment Plants



Marine & Offshore Installations



Industrial Facilities



Power Plants



8. FRP Fencing

FRP fencing panels provide a durable, low-maintenance boundary and security solution for industrial sites, substations, and water treatment plants, resisting corrosion, weathering, and impact damage.

- Resistant to chemicals, salt air & UV
- Lightweight yet impact resistant
- Available in picket, mesh & panel styles
- Non-conductive for added safety near electrical installations

TYPICAL APPLICATIONS



Industrial Facilities



Power Plants & Substations



Chemical & Petrochemical Plants



Water & Wastewater Treatment Plants



Marine & Offshore Installations



Warehouses & Storage Areas



Roadways & Infrastructure



9. FRP Cooling Tower Structures

Pultruded FRP structural members are engineered for cooling tower casings and internal structures, resisting the constant moisture, chemical water treatment, and biological growth that typically degrade timber and steel.

- Excellent resistance to moisture & water-treatment chemicals
- Dimensionally stable across temperature cycles
- Reduced structural load on tower foundations
- Significantly longer service life than wood or steel

TYPICAL APPLICATIONS



10. FRP Ladders

FRP ladders provide safe, non-conductive vertical access to tanks, towers, and elevated equipment, removing the corrosion and electrical hazards associated with metal ladders.

- Non-conductive & spark-free
- Corrosion and chemical resistant
- Available in fixed, caged & portable designs
- Lightweight for easy handling and installation

TYPICAL APPLICATIONS





11. FRP Canopies (Customised)

Custom-fabricated FRP canopies provide weatherproof shelter for entrances, walkways, equipment, and loading areas, pairing translucent or solid panel options with a corrosion-free structural frame.

- Fully customised to size, shape & application
- UV-stabilised, weatherproof panel options
- Lightweight structural frame
- Lower maintenance than metal or wood canopies

TYPICAL APPLICATIONS



12. FRP Tanks

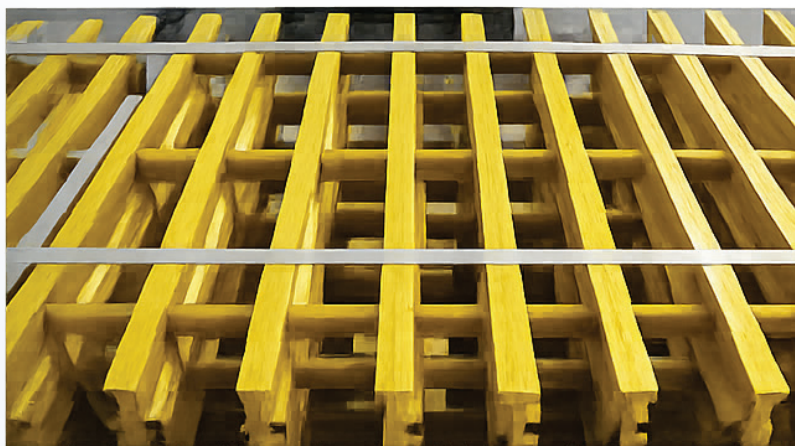
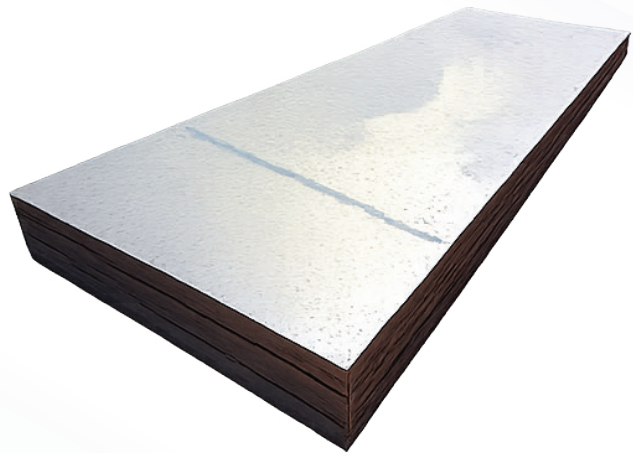
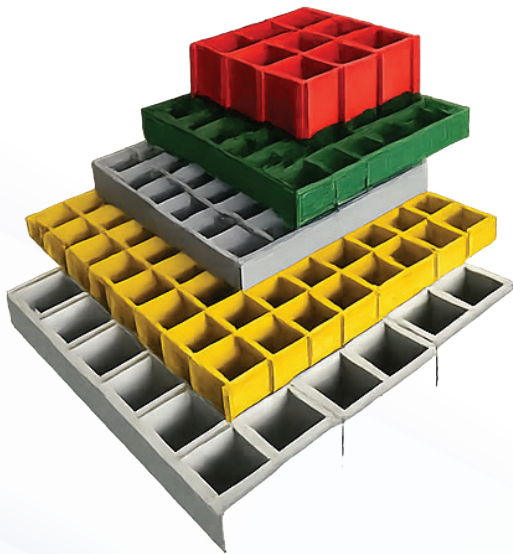
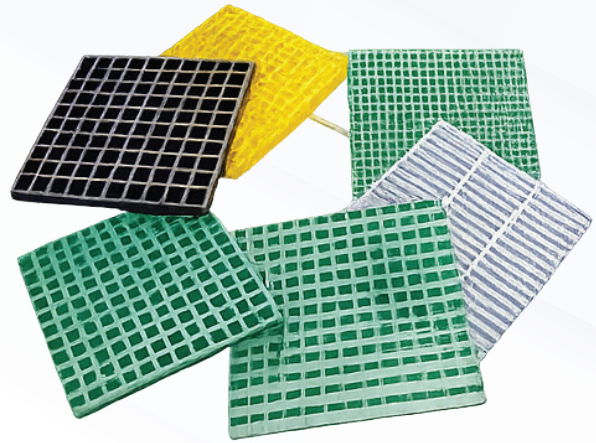
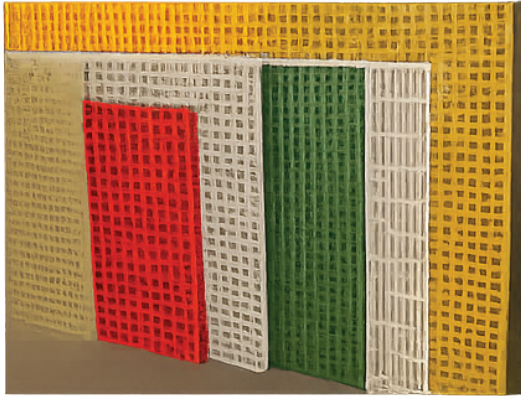
Filament-wound and hand-laid FRP tanks offer reliable, corrosion-resistant storage for chemicals, water, and industrial liquids, built to the specific gravity and chemical compatibility requirements of each application.

- Excellent chemical and corrosion resistance
- Available in vertical, horizontal & custom capacities
- Long service life with minimal maintenance
- Suitable for acids, alkalis, water & other process liquids

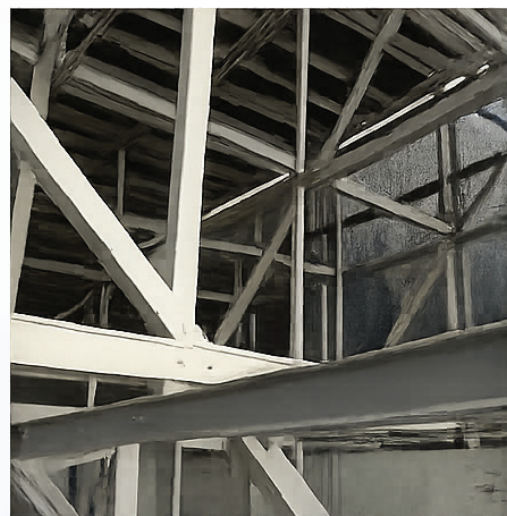
TYPICAL APPLICATIONS



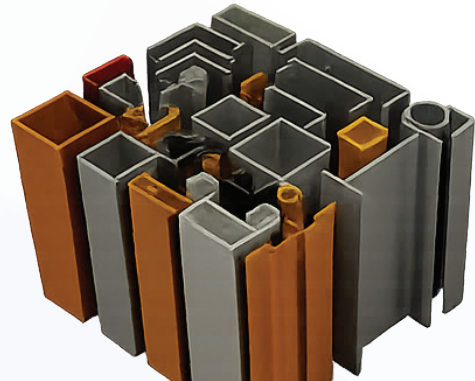
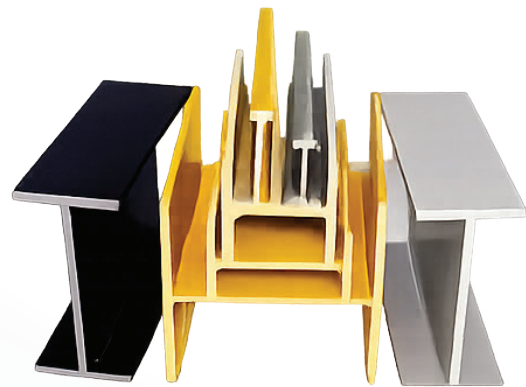
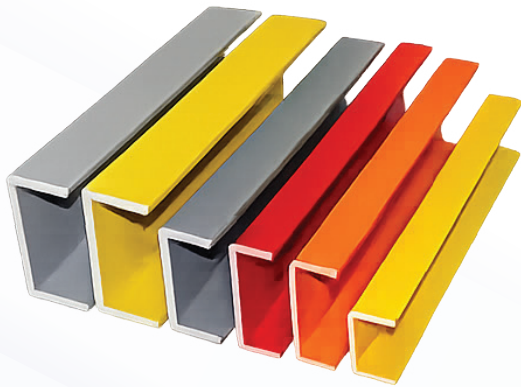
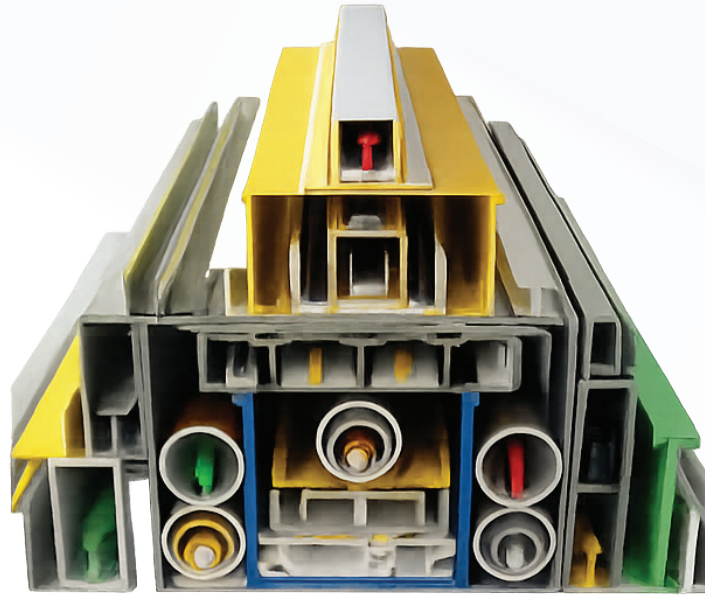
GRATING



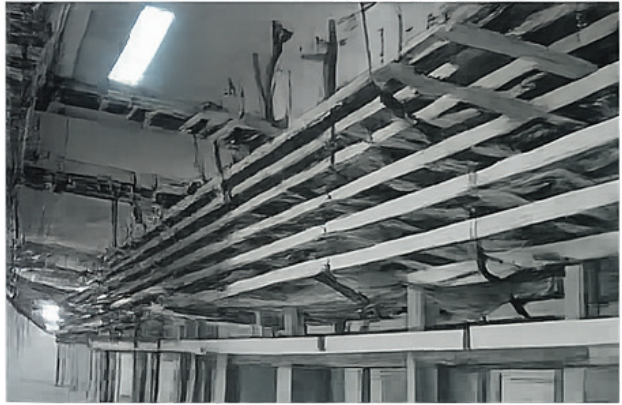
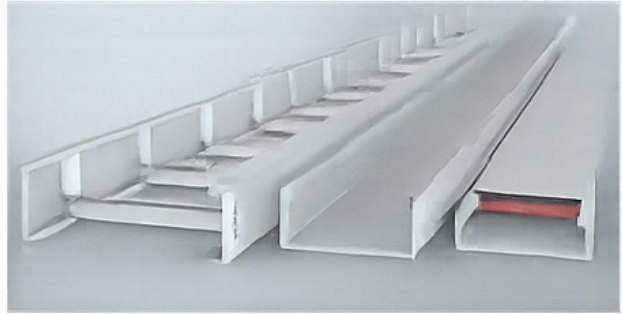
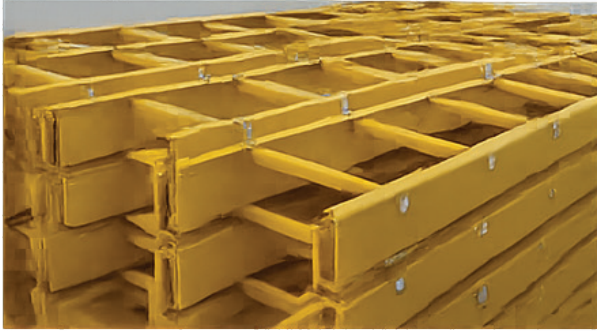
PLATFORM & WALK WAY



PULTRUDED PROFILE



CABLE TRAY





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