

# FRP / GRP CATALOG





# Table of **Contents**

- 1. INTRODUCTION**
- 2. OBJECTIVE, VISION & MISSION**
- 3. MESSAGE FROM CEO**
- 4. OUR SCOPE**
- 5. INDUSTRY STANDARDS AND CODES**
- 6. BENEFITS OF FRP**
- 7. RANGE OF PRODUCTS**

## **FRP PRODUCTS DIVISION**

- Gratings & Floorings
- Handrails & Ladders
- Manholes & Covers
- Composite Panels & Cladding
- Doors
- Pipes, Fittings & Ducts
- Tanks & Vessels
- Street Furniture & Signage

## **8. CLIENTS & PARTNERS**

## **9. QUALITY POLICY**

# INTRODUCTION

**Faisal Ali Faleh Al-Qahtani Contracting Est – Silver Tech**, established in 2001 and headquartered in Riyadh, is a leading provider of premium custom stainless steel and steel fabrication solutions across Saudi Arabia. We specialize in a diverse range of services, including custom fabrication, welding, sheet metal work, and structural steel fabrication, specifically tailored to meet the unique demands of various industries.

Serving a broad spectrum of sectors, including **Commercial, Industrial, Residential, and Government**, we take pride in delivering metalwork that combines **durability, precision, and aesthetic excellence**. Whether executing large-scale industrial projects or crafting intricate architectural components, our team of skilled professionals is equipped with the expertise and advanced tools to ensure exceptional results.

At **Faisal Ali Faleh Al-Qahtani Contracting Est**, we stand apart through our unwavering commitment to:

- **Fast turnaround times.**
- **Certified fabrication team** with extensive experience across diverse projects.
- **In-house design and fabrication capabilities.**
- **Competitive pricing**, without compromising on quality.

We believe that true strength lies not only in the materials we use but in the high standards we uphold in every project.

# OBJECTIVE

Our primary objective is to surpass client expectations by delivering high-quality, cost-effective fabrication solutions, ensuring customer satisfaction at every stage. We provide inclusive consultation, offering a seamless experience from concept to completion.



## VISION

To offer unparalleled steel fabrication services that combine innovation, quality, and precision, building long-term partnerships with our clients while contributing to the success of their projects.



## MISSION

To be the most trusted partner in providing world-class engineering management and fabrication solutions, driving success and delivering consistent results, every time.



## **MESSAGE FROM THE CEO**

### ***Your Trusted Partner in Professional Steel Fabrication***

Dear Valued Partners and Team Members,

At **Faisal Ali Faleh Al-Qahtani Contracting Est- SilverTech**, we are dedicated to meeting the ever-evolving needs of the steel fabrication industry, serving diverse sectors such as **residential, commercial, industrial, and infrastructure projects**. As one of the leading manufacturers and suppliers of high-precision steel fabrication solutions, we bring a wealth of experience from both **local** and **international markets**.

Our team's capabilities continue to expand as we stay at the forefront of industry advancements. We take immense pride in ensuring that we maintain up-to-date information and offer innovative, reliable, and high-quality products and services to all our partners and clients. **Quality, reliability, and innovation** remain the cornerstone of everything we do.

We believe in fostering long-term relationships built on trust, expertise, and mutual success. Whether collaborating on a new project or delivering tailored solutions, we are committed to achieving excellence in every aspect of our work.

To learn more about our latest projects, services, and product offerings, please visit our website at [www.silvertimehau.com](http://www.silvertimehau.com).

Thank you for your continued trust and collaboration. We look forward to a future of shared success and growth.

**Best regards,**  
**Faisal Ali Faleh Al-Qahtani Contracting Est**

**CEO, Faisal Ali Faleh Al-Qahtani Contracting Est – SilverTech**

# OUR SCOPE

## FRP (Fiberglass Reinforced Plastic) Products

At our company, we are committed to delivering high-quality FRP products that combine strength, durability, and corrosion resistance. Our FRP solutions are designed to withstand harsh environments while offering lightweight and long-lasting performance for industrial, commercial, and architectural applications.

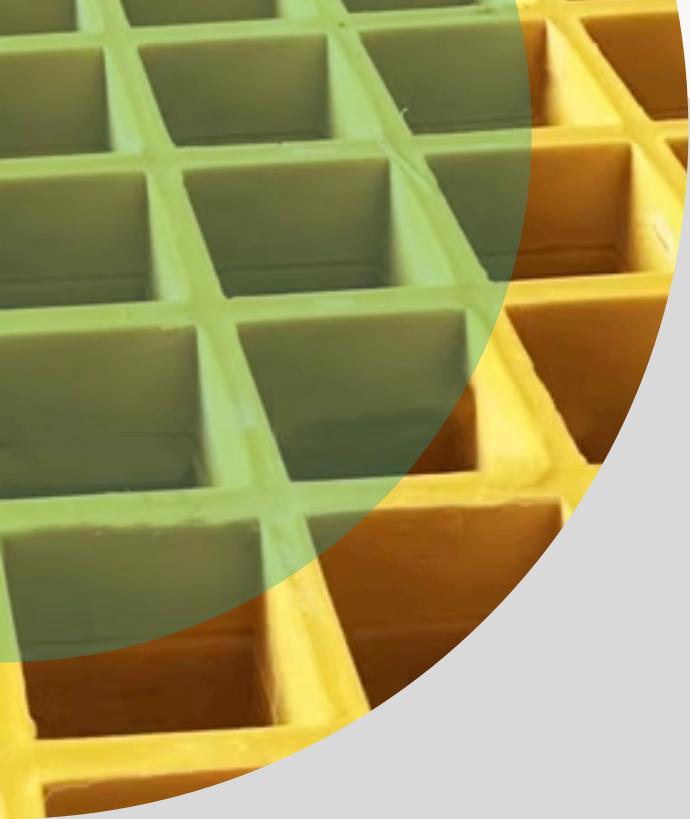
### Our range of FRP products includes:

- **FRP Gratings** – Non-corrosive, slip-resistant, and ideal for chemical plants, marine, and industrial flooring.
- **FRP Ladders** – Lightweight yet sturdy ladders suitable for maintenance and industrial use.
- **FRP Panels & Screens** – Custom-designed panels for architectural and decorative applications.
- **FRP Shades & Canopies** – Weather-resistant and durable shading solutions for outdoor installations.
- **FRP Railings & Platforms** – Strong, maintenance-free alternatives to metal for safety and access systems.
- **Custom FRP Fabrication** – Tailor-made FRP components to meet specific design and structural requirements.

### ***Quality Assurance and Compliance***

Our products meet both international and Saudi standards, ensuring they provide superior protection against bacterial contamination, corrosion, and general wear and tear. We adhere to the highest standards of manufacturing, providing products that stand up to the demands of various industries, including industrial construction, commercial, residential, institutional, and hospitality.

We are committed to high-quality fabrication and custom designs, ensuring that every product is crafted to meet your specific needs. All materials used in production are in full compliance with international codes and GCC standards for steel strength, safety, and environmental regulations.



## INDUSTRY STANDARDS AND CODES

We ensure that our FRP products and manufacturing processes comply with international and regional standards, guaranteeing safety, durability, and quality in every application. Our adherence to these standards reflects our commitment to excellence, reliability, and customer satisfaction.

### Key Standards Followed:

- **ISO 9001:** Quality Management Systems ensuring consistent product quality, process efficiency, and continual improvement in FRP manufacturing.
- **ASTM D638:** Standard test method for tensile properties of reinforced plastics, ensuring the mechanical strength and performance of our FRP materials.
- **ASTM D790:** Standard test method for flexural properties of unreinforced and reinforced plastics, verifying structural rigidity and load-bearing capacity.
- **ASTM D2584:** Standard test method for ignition loss of cured reinforced resins, ensuring resin content accuracy and product consistency.
- **ASTM D256:** Standard test method for impact resistance of plastics, ensuring durability under physical stress and environmental exposure.
- **ISO 14692:** International standard for the design, manufacture, testing, and installation of GRP piping systems, guiding our FRP fabrication for industrial applications.
- **GSO 1700:** Gulf Standards Organization code ensuring compliance with local design, fabrication, and installation requirements for composite structures.
- **ISO 14001:** Environmental Management Standards that promote sustainability and eco-friendly manufacturing processes in FRP production.



# ***Customization and Expertise***



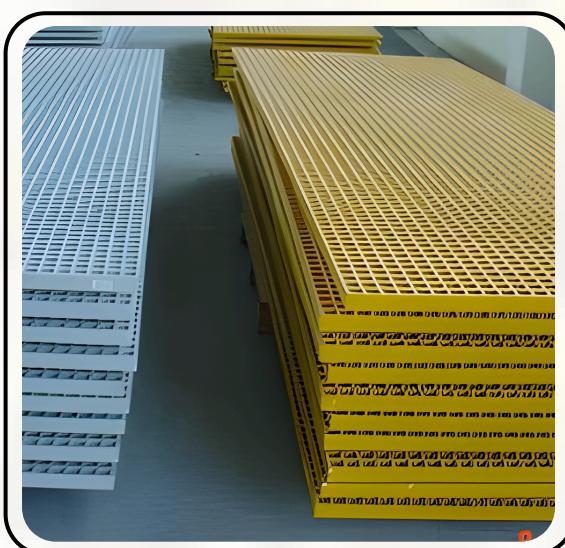
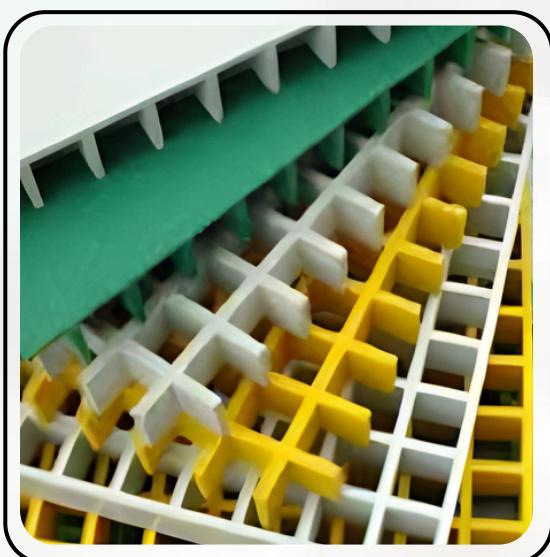
Our highly trained in-house design and manufacturing team works closely with you to tailor each product to your specifications. We are dedicated to offering strategic planning and implementation to meet your precise needs, whether it's for industrial applications, commercial establishments, or residential projects.

All the materials we use comply with international and GCC safety and health regulations, guaranteeing that your projects are both safe and compliant. Whether you're working on large-scale industrial projects or custom architectural designs, Faisal Ali Al Qahtani – SilverTech ensures that precision, sustainability, and quality are at the forefront of everything we do.

We have the expertise and capability to handle all your fabrication needs, and we are committed to providing top-tier solutions that meet the highest standards in the industry.

# **BENEFITS OF FRP**

1. Lighter than most metals
2. Anti-corrosion and waterproof
3. High impact strength
4. Minimum maintenance cost
5. Exceptional durability
6. Impermeable to moisture, fungus, bacteria etc.
7. Can be easily reused.

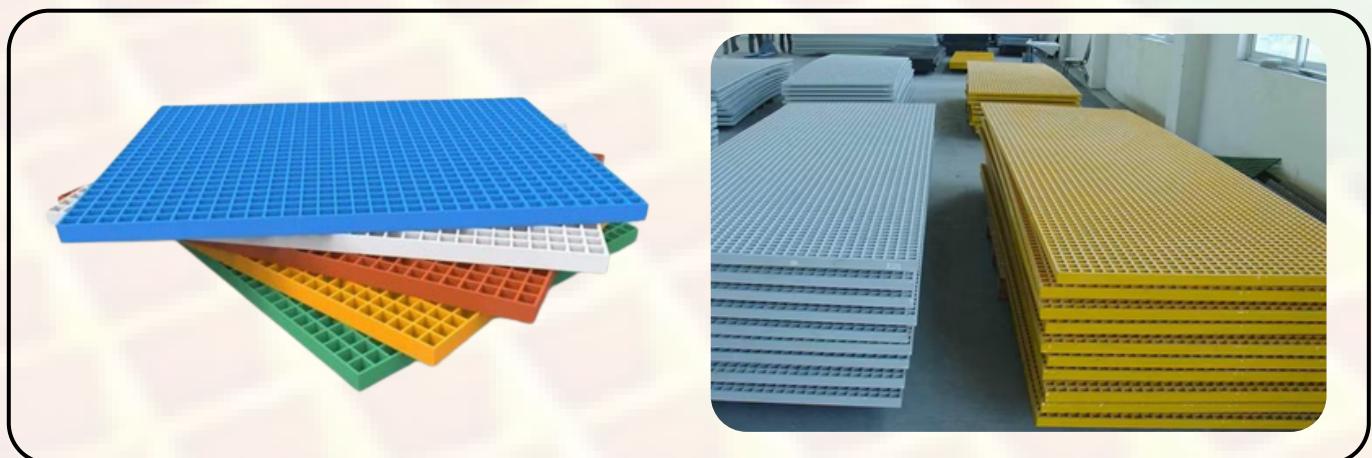


# RANGE OF PRODUCTS

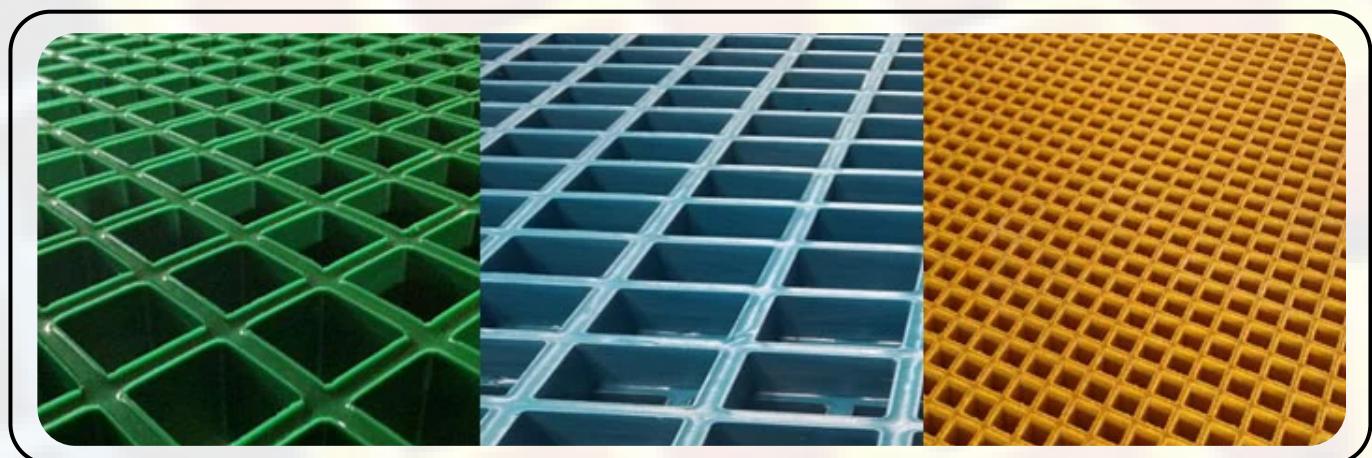
## Gratings & Floorings

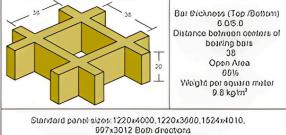
These are panels used for walkways, platforms, and trench covers.

FRP gratings are non-slip, non-conductive, and resistant to corrosion from chemicals and water, making them ideal for industrial plants, marine environments, and water treatment facilities.



<b><i>Key Types &amp; Process</i></b>	<b><i>Raw Materials</i></b>	<b><i>Key Specifications &amp; Finish</i></b>
Moulded (bi-directional), Pultruded (uni-directional).	<b>Resin:</b> Polyester, Vinyl Ester. <b>Fiber:</b> E-Glass.	<b>Specs:</b> High load capacity, fire retardant (ASTM E84). <b>Finish:</b> Gritted (anti-slip) surface.



 <p>Bar thickness (Top /Bottom) 0.05.0 Distance between centers of bearing bars 30 Open Area 60% Weight per square meter 9.8 kg/m<sup>2</sup></p> <p>Standard panel sizes: 1220x4010, 1220x3600, 1524x4010, 997x3012 Both directions</p>	<b>38x38x20</b> <table border="1"> <thead> <tr> <th>Deflection Span (mm)</th><th colspan="6">Kg/m</th><th>Break Point</th></tr> <tr> <th></th><th>75</th><th>150</th><th>300</th><th>450</th><th>600</th><th>750</th><th></th></tr> </thead> <tbody> <tr> <td>300</td><td>0.254</td><td>0.508</td><td>1.016</td><td>1.524</td><td>2.54</td><td>4470</td><td></td></tr> <tr> <td>450</td><td>0.762</td><td>1.524</td><td>3.302</td><td>4.826</td><td>8.128</td><td>2980</td><td></td></tr> <tr> <td>600</td><td>1.778</td><td>3.81</td><td>7.62</td><td>11.176</td><td>15.263</td><td>2235</td><td></td></tr> <tr> <td>750</td><td>2.794</td><td>5.588</td><td>11.43</td><td>17.658</td><td>21.134</td><td>1788</td><td></td></tr> <tr> <td>900</td><td>5.334</td><td>10.668</td><td>15.385</td><td>21.241</td><td>26.583</td><td>1490</td><td></td></tr> </tbody> </table>	Deflection Span (mm)	Kg/m						Break Point		75	150	300	450	600	750		300	0.254	0.508	1.016	1.524	2.54	4470		450	0.762	1.524	3.302	4.826	8.128	2980		600	1.778	3.81	7.62	11.176	15.263	2235		750	2.794	5.588	11.43	17.658	21.134	1788		900	5.334	10.668	15.385	21.241	26.583	1490		<b>38x38x20</b> <table border="1"> <thead> <tr> <th>Deflection Span (mm)</th><th colspan="6">Kg/m</th><th>Break Point</th></tr> <tr> <th></th><th>350</th><th>500</th><th>750</th><th>1000</th><th>1500</th><th>2500</th><th></th></tr> </thead> <tbody> <tr> <td>300</td><td>&lt;0.254</td><td>0.254</td><td>0.508</td><td>0.508</td><td>1.016</td><td>1.524</td><td>29280</td></tr> <tr> <td>450</td><td>1.016</td><td>1.524</td><td>2.286</td><td>3.048</td><td>4.572</td><td>7.62</td><td>12980.8</td></tr> <tr> <td>600</td><td>3.084</td><td>4.572</td><td>7.112</td><td>9.398</td><td>12.283</td><td>14.103</td><td>7320</td></tr> <tr> <td>750</td><td>5.842</td><td>8.89</td><td>...</td><td>...</td><td>...</td><td>...</td><td>4084.8</td></tr> <tr> <td>900</td><td>7.158</td><td>...</td><td>...</td><td>...</td><td>...</td><td>...</td><td>3226.8</td></tr> </tbody> </table>	Deflection Span (mm)	Kg/m						Break Point		350	500	750	1000	1500	2500		300	<0.254	0.254	0.508	0.508	1.016	1.524	29280	450	1.016	1.524	2.286	3.048	4.572	7.62	12980.8	600	3.084	4.572	7.112	9.398	12.283	14.103	7320	750	5.842	8.89	...	...	...	...	4084.8	900	7.158	...	...	...	...	...	3226.8
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## Handrails & Ladders

These are structural components for safety access. FRP handrails and ladders are non-conductive, making them safe for electrical hazard areas, and their corrosion resistance ensures a long lifespan with minimal maintenance, particularly in offshore or chemical processing plants.



<b><i>Key Types &amp; Process</i></b>	<b><i>Raw Materials</i></b>	<b><i>Key Specifications &amp; Finish</i></b>
Square or Round Tube systems.	<b>Resin:</b> Isophthalic/Vinyl Ester. <b>Fiber:</b> High-content Fiberglass.	<b>Specs:</b> Meets OSHA/IBC codes, non-conductive. <b>Finish:</b> Integrally pigmented (e.g., safety yellow) with UV coating..



## Manholes & Covers

Used in underground infrastructure for access to sewers, drains, and utility lines. **FRP manhole covers** and manholes are significantly lighter than traditional concrete or cast iron, making them easier to handle and install. They are also non-metallic, which eliminates scrap value and reduces the risk of theft.



<b>Key Types &amp; Process</b>	<b>Raw Materials</b>	<b>Key Specifications &amp; Finish</b>
Traffic-rated (D400), Pedestrian (A15).	<b>Resin:</b> Polyester. <b>Fiber:</b> Glass fiber. <b>Additives:</b> Fillers for rigidity.	<b>Specs:</b> Tested to EN 124 standards, lightweight, anti-theft. <b>Finish:</b> Molded-in anti-skid surface; custom colors.



## Composite Panels & Cladding

These are flat sheets used in construction. **FRP composite panels** are often used as lightweight, strong, and insulating material in walls, ceilings, and vehicle bodies (like truck trailers). **Cladding** refers to the application of these panels to the exterior of buildings to provide a decorative finish and weather resistance.

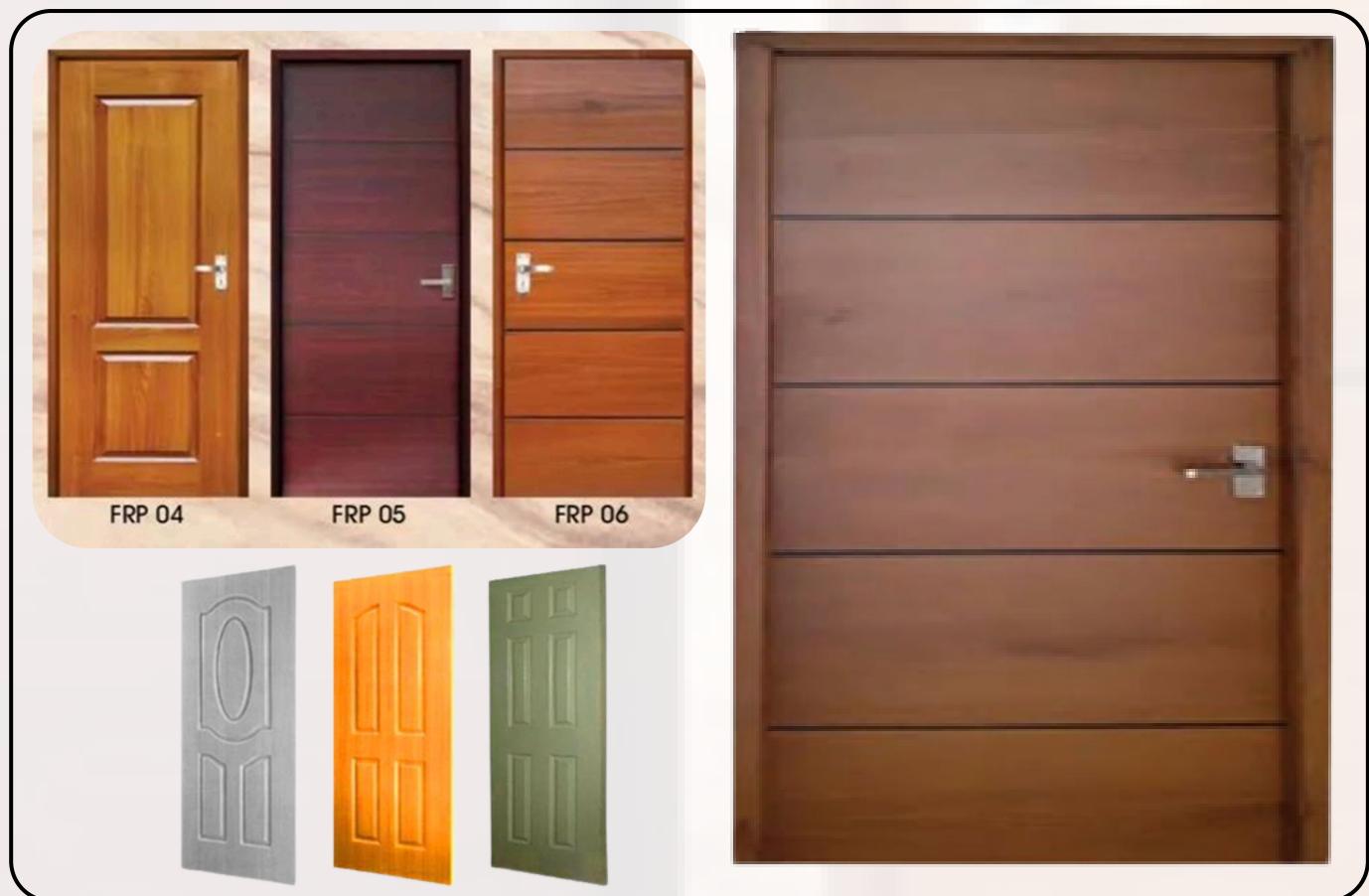


<b>Key Types &amp; Process</b>	<b>Raw Materials</b>	<b>Key Specifications &amp; Finish</b>
Flat Sheets, Corrugated (roofing).	<b>Resin:</b> Polyester. <b>Fiber:</b> Glass fiber.	<b>Specs:</b> High impact strength, insulating properties. <b>Finish:</b> Gelcoat for UV resistance; embossed or smooth textures.



## Doors

**FRP doors** are often used where durability, moisture resistance, and hygiene are important, such as in hospitals, food processing units, and laboratories. They resist warping, rotting, and rust, offering a long-term, low-maintenance alternative to wood or metal doors.



<b>Key Types &amp; Process</b>	<b>Raw Materials</b>	<b>Key Specifications &amp; Finish</b>
Seamless (hygienic), FRP-faced.	<b>Faces:</b> Thick fiberglass skins. <b>Core:</b> Polyurethane foam	<b>Specs:</b> Resistant to moisture/chemicals, exceeds USDA/FDA standards. <b>Finish:</b> Factory-applied primer or polyurethane enamel.

## Pipes, Fittings & Ducts

FRP is widely used for fluid and air handling systems.

- Pipes transport liquids (including highly corrosive ones) and slurries.
- Fittings (like elbows, tees, reducers) are used to change the direction or size of the pipeline.
- Ducts convey air or gases, often in ventilation or exhaust systems where chemical resistance is crucial. They are preferred over steel in many applications due to their superior corrosion resistance and lighter weight.



<b><i>Key Types &amp; Process</i></b>	<b><i>Raw Materials</i></b>	<b><i>Key Specifications &amp; Finish</i></b>
Filament-Wound Pipes, Molded Fittings.	<b>Resin:</b> Vinyl Ester, Epoxy. <b>Fiber:</b> E-Glass. <b>Veil:</b> Synthetic/C-Glass (liner).	<b>Specs:</b> Pressure rating up to 300+ PSI. <b>Finish:</b> Smooth, resin-rich inner layer for chemical flow.

## Tanks & Vessels

These are containers designed to store chemicals, water, or other liquids and gases. **FRP tanks and vessels** can be large and are custom-engineered for specific pressures and temperatures. They are essential in chemical processing, water storage, and food processing industries due to their inertness and resistance to various aggressive media.



<b><i>Key Types &amp; Process</i></b>	<b><i>Raw Materials</i></b>	<b><i>Key Specifications &amp; Finish</i></b>
Cylindrical, Bolted Panel, Dual Laminate.	<b>Resin:</b> Epoxy, Vinyl Ester. <b>Fiber:</b> E-Glass (Filament Winding). <b>Liner:</b> Optional Thermoplastic.	<b>Specs:</b> Designed for specific pressure/temp. <b>Finish:</b> UV-resistant gelcoat on exterior; non-porous liner interior.



## Street Furniture & Signage

**These are non-structural items used in public spaces.**

- **Street furniture** includes items like benches, planters, and bollards. **FRP street furniture** is durable, weather-resistant, and requires little maintenance.
- **Signage** includes road signs, informational boards, and advertising displays. FRP provides a lightweight, strong, and weather-proof substrate for long-lasting signage.

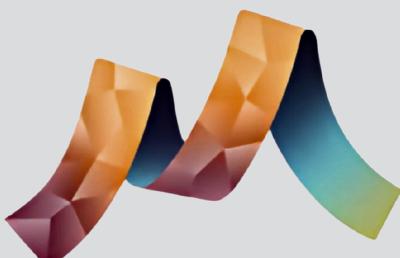


<b>Key Types &amp; Process</b>	<b>Raw Materials</b>	<b>Key Specifications &amp; Finish</b>
Benches, Bollards, Pole Signs.	<b>Resin:</b> Polyester (with UV stabilizers). <b>Fiber:</b> Glass fiber.	<b>Specs:</b> Durable, low maintenance, lightweight. <b>Finish:</b> Gelcoat for color retention and graffiti resistance.

# CLIENTS and PARTNERS



مطارات الرياض  
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TROJENA



شركة الناعم لاسنترات الهندسية

TANAGHOM CONSULTING CO.



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# CLIENTS and PARTNERS



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POWERCHINA



中国水电  
SINOHYDRO



LINGYUN OVERSEAS



电建铁军  
TIEJUN



# QUALITY POLICY

It is the policy of Faisal Ali Faleh Al-Qahtani Contracting Est in terms of Fiber-Reinforced Polymer (FRP) Gratings & Floorings, Pipes, Fittings, Duct, Handrails & Ladders, Tanks & Vessels, Manholes & Coves, Composite Panels & Cladding, Doors, Street Furniture & Signage to:

- Provide services of the highest possible standards, to satisfy our customer needs, expectations of quality, safety, reliability and service.
- Accomplish quality objectives by establishing, implementing and maintaining a documented effective Quality Assurance System which complies with the requirements of **ISO 9001:2015**.
- Timely delivery of Services to meet our customer's requirements.
- Ensure our employees are competent and properly trained so they are better able to serve our customers.
- Our policy requires our employees to be aware of and contribute to the continual improvements of the Quality Management System.



Mohamad Moobin  
Quality Manager





# CONTACT US -



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