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CIN : L18109WB2008PLC129263

ABOUT US

Our Company incorporated on September 10, 2008, specializes in the manufacturing and supply of Glass Fiber Reinforced Polymers (“GFRP”)/Fiber Reinforced Polymers Products (“FRP”) composite/constituency products which provides corrosion-resistant, tensile strength and insulating Glass Fiber Reinforced Polymer (GFRP) solutions which can be used as a substitute for steel bars/rebars. We produce dent-resistant, low thermal expansion, corrosion resistant, and insulating GFRP. Our offerings include GFRP Rebars, GFRP Granting Walkways, GFRP Pipelines, GFRP Tubes, GFRP Fencing for Transformers, GFRP Cable Trays, and other related products designed for industrial, energy and marine’s sectors construction and industrial applications. In addition to our core business, the company acquired the ongoing business of our promoter, ‘M/s ARC Insulation & Insulators,’ a sole proprietorship, through a business transfer agreement dated June 01, 2009. Under our brand name “ARC”, we supply our products for application in diverse industries including Infrastructure, Power, Cooling Tower, Chemical, Composite, Electrical Substation, Mining and others.

We have one manufacturing plant which is located at Ramdevpur Village, Parganas South (West Bengal) (“Manufacturing Facility”). Our Manufacturing Facility has separate seamless and welded divisions with latest product-specific equipment and machineries including Universal Testing Machine, Electronic Extensometer, GFRP Rock Bolt Making Machine, APC-2.01, Aluminium Casting Heater, 4-2 Boring Deptyhal etc. Further, we have a storage facility at our Manufacturing Facility for the purposes of holding inventories of raw material as well as finished products which ensures stability of operations.

ARC’s GFRP products offer significant cost savings through extended durability and present an environmentally friendly alternative with a reduced carbon footprint compared to traditional steel and concrete. We are committed to helping our clients create smarter and more sustainable infrastructure, aligning with the increasing demand for eco-conscious and circular solutions, thereby strengthening our position in the market.

We hold ISO 9001:2015 certification and as an ISO-certified organization, for the scope of design, manufacturing and supply of GFRP products and is equipped with Universal Testing Machine and other equipment to check the quality of our products as per the specifications of our customers. We have dedicated quality assurance team including professionals (Mechanical Engineers, Structural Design Engineers, Civil and Quality Engineers), which closely monitors the exceptional quality of our products throughout the production process.

Our company has established itself as a name in the GFRP/FRP industry through hard work and steady progress. This commitment to stringent quality measures has enabled the company to deliver impeccable end products and create a niche in the industrial segments it serves, earning the trust of consultants and clients alike.

PRODUCT PORTFOLIO

Our product portfolio comprises of GFRP/FRP products manufactured and supplied by our Company and encompass various industrial uses. The details of products are as follows:

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Village Ramdevpur, P.O.: Bawali, P.S.: Bishnupur,
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Room No : 107 & 108 Primarc Chambers 1839 Laskarhat Road,
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Sr.	Product Name	Products Description	Product Photo
1	GFRP Rebars	GFRP (Glass Fiber Reinforced Polymer) rebars are lightweight, high-strength alternatives to steel rebars used in concrete structures. GFRP Rebars are made from fibers like glass, carbon, or basalt embedded in a polymer resin, they are highly resistant to corrosion, making them ideal for marine, chemical, and infrastructure projects exposed to harsh environments. Their non-conductive and non-magnetic properties make them suitable for electrical and sensitive installations. With a high strength-to-weight ratio and exceptional durability, GFRP rebars offer a cost-effective, long-lasting solution for projects requiring reinforced concrete in challenging conditions. In addition, the use of GFRP rebars significantly reduces the occurrence of concrete cracking, enhancing the structural integrity and lifespan of concrete constructions. Their non-magnetic properties also make them an excellent choice for applications where electromagnetic neutrality is essential, such as in medical facilities and sensitive equipment zones. End Users: Chemical Industry, Coastal Area, Marinas & Docs, Metal & Mining, Offshore Oil & Gas, Pul & Paper Industry, Water Park, Construction, Warehouse and National Highway.	

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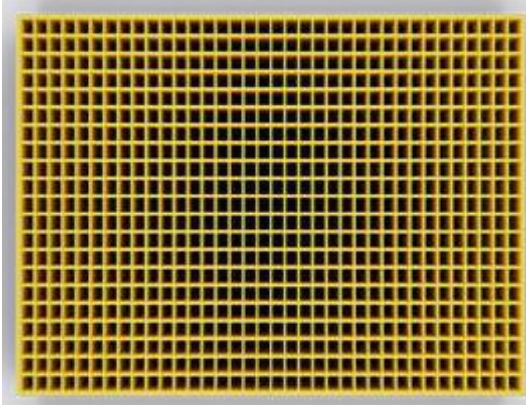
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2	FRP Grating	FRP (Fiber Reinforced Polymer) grating walkways offer bidirectional strength, providing robust support in both longitudinal and transverse directions. This makes them an ideal choice for high-traffic areas and heavy-duty applications, where stability and strength are essential. Engineered with an anti-slip surface, FRP grating walkways enhance safety by reducing the risk of slips and falls, even in wet or oily conditions. Their design also requires minimal maintenance, ensuring long-term performance with reduced upkeep. In addition, FRP grating walkways are highly resistant to chemicals, making them perfect for use in harsh industrial environments where exposure to corrosive substances is common. This combination of strength, safety, and chemical resistance makes FRP grating walkways a durable, low-maintenance solution for a wide range of applications. End Users: Chemical Industry, Coastal Area, Cooling Tower Component, Electrical Substation Product, Hotel Application, Marinas & Docs, Offshore Oil & Gas, Pulp & Paper Industry, Water Park and Warehouse.	
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3	FRP/GRP Pipes:	FRP/GRP (Fiber/Glass Reinforced Polymer) Pipes offer exceptional chemical resistance, making them the ideal solution for industries dealing with corrosive or hazardous substances. Designed to withstand aggressive chemicals, these pipelines provide long-term protection against corrosion, ensuring leak-proof operation and enhanced safety for both the environment and personnel. The smooth interior surface of GFRP pipelines ensures efficient flow, minimizing friction and pressure loss. This results in optimized transport of liquids and gases, reducing energy consumption and operational costs. With a wide range of diameters available, GFRP pipelines can be customized to meet the specific needs of various industries, from chemical processing to wastewater treatment. Their versatility, combined with chemical resistance and durability, makes them a reliable, cost-effective solution for demanding applications. End Users: Chemical Industry, Coastal Area, Cooling Tower Component, Marinas & Docs and Offshore Oil & Gas.	
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4	FRP Tubes	FRP (Fiber Reinforced Polymer) tubes offer a perfect blend of durability and performance, making them ideal for a variety of industrial applications. Their corrosion-resistant properties ensure longevity even in harsh environments, such as those exposed to chemicals, moisture, or saltwater, minimizing the need for frequent replacements or repairs.	
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		Despite their lightweight nature, FRP tubes deliver exceptional strength, providing a high strength-to-weight ratio that ensures structural integrity while reducing handling and installation costs. Additionally, their excellent electrical insulation properties make them a reliable choice for applications requiring electrical safety, such as in power distribution or telecommunications. With their lightweight design, corrosion resistance, and strong insulation capabilities, FRP tubes offer a versatile, cost-effective solution for industries demanding both high performance and long-term reliability. End Users: Chemical Industry, Coastal Area, Cooling Tower Component, Hotel Application, Marinas & Docs, Offshore Oil & Gas, Pulp & Paper Industry, Construction and National Highway.	
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5	FRP Cable Trays	FRP (Fiber Reinforced Polymer) cable trays are used for supporting and routing electrical cables in industrial, commercial, and public infrastructure projects. These trays offer a robust, durable, flame-retardant and corrosion-resistant solution for cable management, ensuring the protection and organization of electrical cables. These trays are lightweight yet offer high strength, allowing for easy installation and reduced labour costs without compromising on structural integrity. Additionally, FRP cable trays provide non-conductive, shockproof insulation, ensuring electrical safety by eliminating the risk of	
		electrical hazards and protecting both equipment and personnel. End Users: Chemical Industry, Coastal Area, Cooling Tower Component, Electrical Substation Product, Hotel Application, Marinas & Docs, Offshore Oil & Gas, Pulp & Paper Industry, Construction and Warehouse.	

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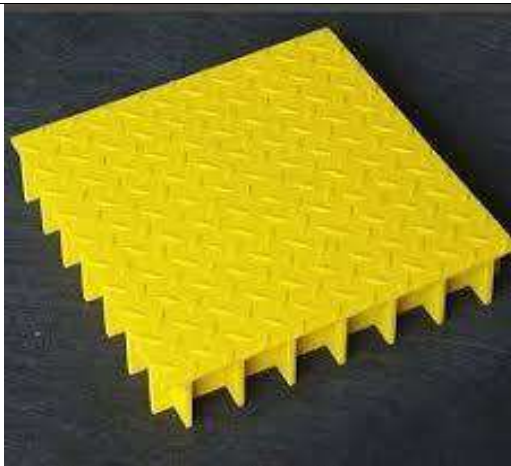
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6	FRP Checker Plates	FRP (Fiber Reinforced Polymer) checker plates are designed to provide a robust, slip-resistant surface for a variety of applications. Engineered for durability, these plates are ideal for environments where strength and safety are crucial, such as in industrial settings, walkways, and pedestrian areas. The check plate pattern of FRP offers enhanced traction, significantly reducing the risk of slips and falls, even in wet or oily conditions. This makes them a safe choice for high-traffic areas and hazardous environments where slip resistance is essential. FRP check plates are also known for their exceptional resistance to corrosion, chemicals, and extreme weather conditions, ensuring long-term performance with minimal maintenance. Their lightweight design simplifies handling and installation, while their high strength supports heavy loads and withstands tough conditions. Overall, FRP check plates combine durability, safety, and ease of maintenance, making them a reliable solution for providing secure and lasting surfaces in a range of demanding applications. End Users: Chemical Industry, Coastal Area, Cooling Tower	
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		Component, Electrical Substation Product, Hotel Application, Marinas & Docs, Offshore Oil & Gas, Pulp & Paper Industry, Water Park, Warehouse.	
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7	FRP Earthing Discharge Rods	Fiberglass earthing discharge rods are engineered for reliable electrical safety and efficiency, playing a critical role in grounding and discharging electrical systems. Constructed from high-strength fiberglass, these rods are designed to withstand the rigors of high-voltage environments while providing exceptional durability and performance. The fiberglass composition ensures that the rods are non-conductive, effectively insulating users from electrical hazards and enhancing safety during maintenance and emergency operations. Their lightweight nature facilitates easy handling and manoeuvrability, making them ideal for use in various electrical and utility applications. Additionally, fiberglass earthing discharge rods are resistant to corrosion and environmental degradation, ensuring long-term reliability in diverse weather conditions. Their robust construction and low maintenance requirements make them a cost-effective choice for safely managing electrical discharge and grounding systems. End Users: Electrical Substation Product.	
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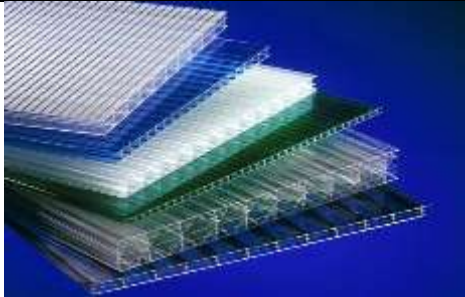
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8	FRP Sheets	Fiber Glass Reinforced Polymer Sheets provide high strength, thermal resistance, fire retardant/ resistance properties, hardness, environmental resistance, electrical insulation, low density and can be moulded into different shapes. End Users: Chemical Industry, Cooling Tower Component, Electrical Substation Product, Offshore Oil & Gas, Pulp & Paper Industry, Warehouse.	
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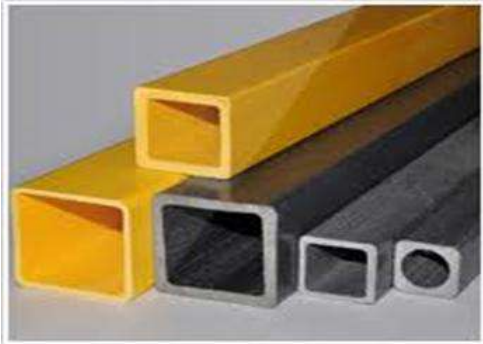
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9	FRP/GFRP Structural/Pultruded Profiles	Fiber Glass Reinforced Polymer Pultruded Products are used in Industrial Structure, utility poles, railway structures, chemical processing plants, safety equipment like ladders, handrails etc. due to their high strength-to-weight ratio, corrosion resistance, durability and long service life. Pultruded composite shapes (profiles) exhibit robust performance characteristics as of standard metal shapes and closely resemble the steel profiles typically used in construction, but offer distinct advantages over these materials, serving as a substitute to steel and other metal structure. End Users: Chemical Industry, Coastal Area, Cooling Tower Component, Hotel Application, Marinas & Docs, Offshore Oil & Gas, Pulp & Paper Industry, Construction and National Highway.	
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10	GFRP Rods	GFRP (Glass Fiber Reinforced Polymer) rods are commonly used in electrical and telecommunications systems for cable support, grounding, and reinforcement, as well as in construction, marine, oil and gas, and chemical industries. Their non-conductive properties make them safe for electrical applications, while their durability ensures long-lasting performance in harsh environments. End Users: Construction Industry.	
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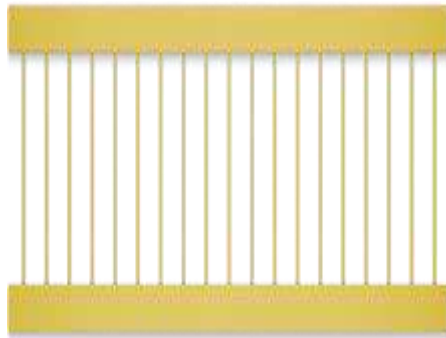
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11	FRP/GRP Ladders	FRP/GRP (Fiber/Glass Reinforced Polymer) ladders are designed for easy installation and provide safe access to cooling tower components. They withstand harsh environments, ensuring long-term performance and reliability, essential for maintaining efficient cooling operations. Cooling Towers benefits from GFRP ladders, offering corrosion resistance, durability, and low maintenance. These ladders are widely used in marine and offshore applications, such as oil rigs, ships, and coastal facilities due to their excellent resistance to saltwater corrosion and harsh marine environments. End Users: Chemical Industry, Cooling Tower Component, Electrical Substation Product, Hotel Application, Marinas & Docs, Offshore Oil & Gas, Construction and Warehouse.	
12	FRP/GRP Tanks	FRP/GRP (Fiber/Glass Reinforced Polymer) tanks are designed for durability and reliability. These are robust solutions for power	

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		industry. These are engineered to withstand extreme conditions, they provide superior resistance to corrosion, thermal stress, and impact, ensuring long-lasting performance and reduced maintenance. Ideal for handling chemicals, water, and other essential fluids in power applications. These tanks offer exceptional durability, corrosion resistance and lightweight design. They withstand harsh marine environments, reduce maintenance, and ensure safety with high chemical resistance. Their efficiency supports long-term storage and transport of fluids, optimising operational performance. These tanks offer enhanced corrosion resistance, longevity and reduced maintenance costs. They ensure safe storage of chemicals, minimise contamination risks and improve operational efficiency. Their lightweight yet durable construction facilitates easy installation, contributing to overall cost savings and operational reliability. End Users: Chemical Industry, Electrical Substation Product, Offshore Oil & Gas and Pulp & Paper Industry.	
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13	FRP Battery Stand	FRP (Fiber Reinforced Polymer) Battery Stands enhance durability and resistance to harsh chemicals reducing maintenance and replacement costs. Their lightweight yet sturdy design improves operational efficiency and safety. These stands offer superior corrosion resistance, ensuring longevity and reliability in the demanding environments of pulp and paper mills. These are ideal for	
		chemical industry applications due to their high corrosion resistance, electrical insulation, and robust mechanical strength. These stands ensure safety, durability, and reliability in harsh environments, supporting heavy battery systems while minimizing maintenance and extending service life. End Users: Chemical Industry, Electrical Substation Product, Hotel Application, Marinas & Docs, Offshore Oil & Gas, Pulp & Paper Industry, Warehouse.	

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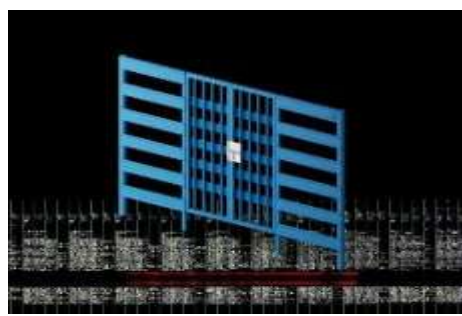
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14		FRP/GRP Handrails	FRP/GRP (Fiber/Glass Reinforced Polymer) Handrails are suitable for chemical processing plants and facilities where exposure to corrosive chemicals is common. Their chemical resistance and non-reactive nature make them a preferred choice for ensuring safety and durability in these challenging environments. End Users: Chemical Industry, Cooling Tower Component, Electrical Substation Product, Hotel Application, Marinas & Docs, Offshore Oil & Gas, Construction and National Warehouse.	
15		FRP Fencing	FRP (Fiber Reinforced Polymer) Fencing has lightweight and non-conductive properties ensure easy installation and maintenance, enhancing operational efficiency and safety in chemical plants. These fences withstand harsh environments, providing safety and longevity. These are durable and corrosion-resistant for chemical industry. End Users: Chemical Industry, Coastal Area, Electrical	

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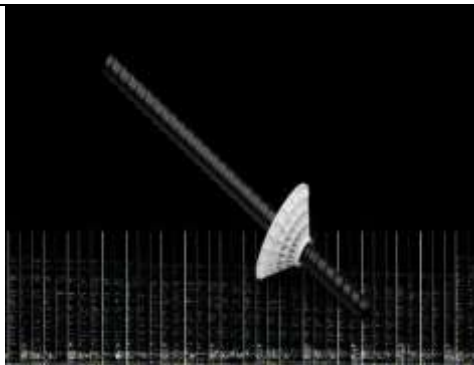
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		Substation Product, Hotel Application, Marinas & Docs, Offshore Oil & Gas, Waterpark, Warehouse, National Park.	
16	GFRP Rockbolts	GFRP (Glass Fiber Reinforced Polymer) rebars are lightweight, high-strength alternatives to steel rebars used in concrete structures. GFRP Rebars are made from fibers like glass, carbon, or basalt embedded in a polymer resin, they are highly resistant to corrosion, making them ideal for marine, chemical, and infrastructure projects exposed to harsh environments. Their non-conductive and non-magnetic properties make them suitable for electrical and sensitive installations. With a high strength-to-weight ratio and exceptional durability, GFRP rebars offer a cost-effective, long-lasting solution for projects requiring reinforced concrete in challenging conditions. In addition, the use of GFRP rebars significantly reduces the occurrence of concrete cracking, enhancing the structural integrity and lifespan of concrete constructions. Their non-magnetic properties also make them an excellent choice for applications where electromagnetic neutrality is essential, such as in medical facilities and sensitive equipment zones. End User: Metal & Mining Industry	

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OUR MANUFACTURING FACILITY

MANUFACTURING FACILITY



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