



YOUR SOURCING PARTNER
SUPPLYING TRUST | DELIVERING VALUE

ANZ GLOBAL GROUP LLC FZ

ADVANCED REINFORCEMENT SOLUTIONS

GFRP REBAR SUPPLY SOLUTIONS

ANZ Global Group brings its established industrial sourcing expertise to the advanced materials sector. We connect infrastructure developers, contractors, and project teams with GFRP Rebar — a globally proven, corrosion-resistant reinforcement material backed by international standards and growing adoption across demanding construction environments.

Execution-focused sourcing and supply support for infrastructure, industrial, marine, and construction projects across international markets.



| www.anzglobalgroup.com



ADVANCED REINFORCEMENT SOLUTIONS

ANZ Global Group's Advanced Reinforcement Solutions vertical is positioned to serve infrastructure developers, contractors, and project teams across priority and growth markets where corrosion-resistant reinforcement demand is driven by climate, environment, and infrastructure investment.

WHAT IS GFRP REBAR?

Glass Fibre Reinforced Polymer (GFRP) Rebar is a composite reinforcement bar manufactured using high-strength glass fibres embedded within a polymer resin matrix — designed as a direct alternative to conventional steel reinforcement in reinforced concrete structures.

Unlike steel, GFRP does not corrode, rust, or degrade in aggressive environments — making it the material of choice for structures where longevity, low maintenance, and corrosion resistance are critical project requirements.

KEY CHARACTERISTICS

- **Corrosion Resistant** — zero rust in any environment
- **Lightweight** — 4x lighter than steel
- **High Tensile Strength** — 1000+ MPa
- **Electrically Non-Conductive** — dielectric material
- **Non-Magnetic** — transparent to magnetic fields
- **Long Service Life** — 80 years+



WHY GFRP OVER STEEL?



Traditional steel reinforcement remains vulnerable to corrosion and deterioration when exposed to moisture, chlorides, marine conditions, and aggressive industrial environments. Corrosion-related structural degradation is one of the leading causes of maintenance costs, reduced service life, and long-term infrastructure damage globally.

GFRP Rebar addresses these challenges through a corrosion-free reinforcement solution designed for long-term durability and significantly reduced maintenance requirements.

COMPARISON OVERVIEW

PROPERTY	STEEL REBAR	GFRP REBAR
Tensile Strength (MPa)	500 – 600	1000+
Weight / Density (T/m ³)	7.8	1.9
Corrosion Resistance	Corrosion Prone	Fully Corrosion Free
Electrical Conductivity	Electrically Conductive	Non-Conductive (Dielectric)
Magnetic Properties	Magnetic	Non-Magnetic
Design Life	Subject to corrosion degradation	80 Years+
Maintenance Requirements	High — corrosion treatment needed	Minimal — no corrosion maintenance
Weight Advantage	Heavy — high logistics cost	4x Lighter — logistics savings
Ecological Compatibility	Standard	No harmful emissions in use

KEY ADVANTAGES OF GFRP REBAR

1. CORROSION RESISTANCE

Suitable for marine, coastal, underground, chemical, and high-humidity environments where steel corrosion impacts structural durability. Maintains structural integrity across the full design life without corrosion-related degradation.

2. LIGHTWEIGHT MATERIAL

Approximately four times lighter than conventional steel reinforcement — simplifying transportation, handling, and installation. Reduced dead load and improved logistics flexibility for international shipment coordination.

3. HIGH TENSILE STRENGTH

Typical tensile strengths exceeding 1000 MPa — significantly higher than conventional steel rebar, providing high strength-to-weight performance for demanding structural applications

4. ELECTRICALLY NON-CONDUCTIVE

Dielectric material — suitable for hospitals, MRI facilities, power infrastructure, airports, transformer foundations, and specialized industrial applications requiring electromagnetic neutrality.

5. LONGER DESIGN LIFE

Supports long-term infrastructure performance with reduced maintenance requirements and structural service life of 80 years and above under normal operational conditions.

6. LOGISTICS ADVANTAGE

Reduced weight and flexible coil options contribute to improved logistics flexibility, lower freight costs, and easier international shipment coordination across project locations.



APPLICATIONS

GFRP Rebar is increasingly used across infrastructure and industrial projects where corrosion resistance, durability, lightweight handling, or electromagnetic neutrality are critical project requirements.

INFRASTRUCTURE & TRANSPORT

- Highways & RCC Roads
- Bridge Decks & Approach Slabs
- Pavements
- Crash Barriers
- Tunnel Reinforcement
- Railway Sleepers

MARINE & WATER STRUCTURES

- Sea Walls & Dams
- Marine Precast Walls
- Water Treatment Plants
- Wastewater Facilities
- Underground Water Tanks
- Swimming Pools
- Intertidal & Splash Zones

INDUSTRIAL & COMMERCIAL

- Industrial Floorings
- Chemical Plants & ETP Plants
- Warehouses
- Parking Structures
- Retaining Walls & Foundations
- Sewage Treatment Plants
- Cold Storage Facilities

SPECIALIZED APPLICATIONS

- Hospitals & MRI Areas
- Airports & Compass Calibration Pads
- Power Plants & Transformer Sites
- Energy Efficient Buildings
- Precast Structures
- Concrete Slabs & Columns



PRODUCT SPECIFICATIONS

PRODUCT RANGE

Glass Fibre Reinforced Polymer (GFRP) Rebar

DIAMETER RANGE

3 mm to 25 mm

STANDARD LENGTH

12 Metres — Standard

Custom lengths available on request

COIL OPTIONS

Lengths: 12 / 50 / 100 Metres

Diameter Range: 3 mm to 12 mm

TYPICAL CHARACTERISTICS

- Tensile Strength: 1000+ MPa
- Density: Approx. 1.9 T/m³
- Non-Corrosive
- Non-Conductive
- Non-Magnetic

REFERENCED STANDARDS

- ASTM D7957 / D7959M
- ASTM D8505 / D8505M
- IS 18256 : 2023
- S 18255 : 2023
- AS 5204 : 2023
- IRC : 137-2022

DESIGN REFERENCES

- ACI 440.1R-15
- ACI 440.1I-2022
- FIB Bulletin 40

AVAILABLE FORMS

- Straight Rebars
- Coils
- Custom bent shapes





WHY ANZ GLOBAL GROUP

1. EXECUTION-FOCUSED SUPPLY SUPPORT

Supporting clients from inquiry stage through sourcing coordination, documentation management, logistics follow-up, and delivery execution support — the same model applied across our Oil & Gas supply operations.

2. INTERNATIONAL SOURCING NETWORK

Supply coordination through quality-oriented manufacturer relationships across Asia and international industrial sourcing markets — focused on certified manufacturers aligned with project specifications.

3. QUALITY-FOCUSED SOURCING

Focus on sourcing from manufacturers aligned with referenced international standards — ASTM, IS, AS, and ACI design compliance — with documentation and traceability support as standard.

4. DOCUMENTATION & TRACEABILITY SUPPORT

Support for material documentation, technical coordination, and supply traceability based on project requirements and applicable standards.

5. RESPONSIVE PROJECT COORDINATION

Commercially responsive approach focused on timely communication, supply coordination, and operational support throughout the project supply cycle.



QUALITY & SOURCING APPROACH

ANZ Global Group approaches advanced reinforcement materials through a sourcing and supply model focused on quality-oriented manufacturer selection, documentation support, supply coordination, and responsible delivery management.



SUPPLY SUPPORT CAPABILITIES

- International Sourcing Coordination
- Manufacturer Communication
- Documentation Support
- Logistics Coordination
- Export Support
- Delivery Follow-Up

STANDARDS ALIGNMENT

- ASTM D7957 / D7959M
- IS 18256 : 2023
- ACI 440 Series

SOURCING REGIONS

- Asia
- International Industrial Markets

OUR PHILOSOPHY

We believe that long-term supply relationships are built through responsible coordination, transparent communication, and consistent execution.

ANZ Global Group does not position itself merely as a material supplier. Our approach is centered around understanding project requirements, coordinating reliable sourcing, and supporting clients through the supply and delivery process.

As we expand into advanced reinforcement solutions, we bring the same industrial sourcing discipline and execution-focused mindset developed through years of international supply coordination experience

CONTACT US

UAE OFFICE

ANZ Global Group LLC FZ
Business Centre 1, M Floor,
The Meydan Hotel, Nad Al Sheba,
P.O. Box 9305, Dubai, UAE



+971 50794 4739

INDIA OFFICE

ANZ Oilfield Services Pvt. Ltd.
B-2-120/113, B Block, 5th Floor,
Sanali Infopark, Road No. 2,
Banjara Hills, Hyderabad – 500034



+91 86799 58783

USA OFFICE

9100 Southwest Freeway,
Houston, Texas 77074



+1-301-915-0995



info@anzglobalgroup.com



SUBMIT YOUR RFQ

For sourcing inquiries, technical requirements, and project support, contact our team with your RFQ.



ANZ GLOBAL GROUP LLC FZ

Your Sourcing Partner

Supplying Trust. Delivering Value.



www.anzglobalgroup.com