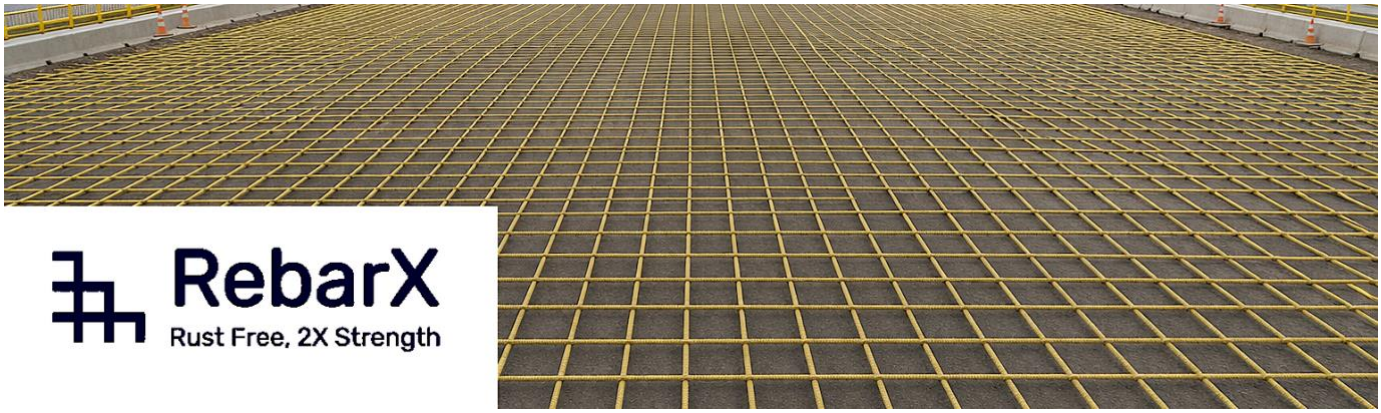

RebarX

Rust Free, 2X Strength

Durable Glass-Fibre Rebar

RebarX™ GFRP rebar by Credific Ventures Pvt. Ltd. is a corrosion-immune, high-strength alternative to steel TMT for concrete reinforcement. Engineered with ECR boron-free glass roving and a hot-cured epoxy matrix on Composite Tech pultrusion lines, it delivers twice the tensile strength of Fe-500 at one-fourth the weight — with an 80+ year service life. Ideal for industrial floors, roads, water tanks, precast and marine structures.

Build Stronger.

Faster. Better.

TRUSTED PERFORMANCE

RebarX™ gives contractors and RCC engineers a rust-proof, high-strength alternative to steel TMT — reliable performance in coastal, chemical and high-humidity environments without the risk of corrosion. At one-fourth the weight of steel, it enables faster, safer installation and lower carbon transport. Built to the demands of Indian job sites; compliant to IS 18256 : 2023.

2×	4×	100%	80+ yrs	IS 18256
STRONGER	LIGHTER	RUST-FREE	SERVICE LIFE	BIS COMPLIANT
than Fe-500 TMT	*than steel*	*corrosion-immune*	*designed in concrete*	*2023 specification*

MEETS OR EXCEEDS STANDARDS

RebarX™ is engineered to meet or exceed key Indian standards, codes, and specifications, giving consultants, contractors, and RCC engineers confidence in performance, safety, and BIS compliance. Every consignment is dispatched with an IS 18256 test certificate.

MATERIAL SPECIFICATION	IS 18256 : 2023 (BIS)
TEST METHODS	IS 18255
BRIDGE & ROAD APPLICATION	IRC 137 : 2022 · MoRTH / NHAI approved
QUALITY MANAGEMENT	ISO 9001 : 2015

TYPICAL CONCRETE APPLICATIONS

INDUSTRIAL & INFRASTRUCTURE

- Industrial flooring — warehouses, factory & heavy floor slabs
- Road construction, rigid pavements & bridge decks
- Water tanks — RCC, underground & overhead
- Water-treatment plants, STPs, ETPs, drainage
- Tunnels, retaining walls

PRECAST & SPECIALITY

- Precast panels, parapets, façade & street furniture
- Hospitals, MRI & R&D rooms — non-magnetic, dielectric
- Cold-storage, chemical plants, fertilizer godowns
- Foundations, plinths & footings in aggressive soils
- Architectural precast & landscaping elements

MARINE & COASTAL

- Marine jetties, sea walls & coastal defences
- Ports, dry-docks & shipyard structures
- Salt-water intake / outfall structures
- Aquaculture & desalination plants
- Bridge substructures in tidal zones

STRAIGHT-BAR TECHNICAL DATA

BAR *IS 18256*	NOMINAL Ø *mm*	AREA *mm²*	MASS *kg/m*	MIN. UT FORCE *kN*	MODULUS *GPa*	TRANSVERSE SHEAR *MPa*	BOND *MPa*	STANDARD LENGTH
G4	4	12.6	0.026	≥ 11	≥ 45	≥ 130	≥ 7.6	150 m coil
G6	6	28.3	0.057	≥ 23	≥ 45	≥ 130	≥ 7.6	100 m coil
G8	8	50.3	0.099	≥ 40	≥ 45	≥ 130	≥ 7.6	100 m coil
G10	10	78.5	0.157	≥ 60	≥ 45	≥ 130	≥ 7.6	100 m coil
G12	12	113.1	0.226	≥ 80	≥ 45	≥ 130	≥ 7.6	100 m coil
—	14	153.9	0.308	≥ 80	≥ 45	≥ 130	≥ 7.6	6 m / 12 m straight
G16	16	201.1	0.402	≥ 130	≥ 45	≥ 130	≥ 7.6	6 m / 12 m straight
—	18	254.5	0.509	≥ 130	≥ 45	≥ 130	≥ 7.6	6 m / 12 m straight
G20	20	314.2	0.628	≥ 190	≥ 45	≥ 130	≥ 7.6	6 m / 12 m straight

Values are IS 18256 : 2023 Table 1 minimum guaranteed ultimate tensile FORCE and Table 2 material property limits. Ø14 mm and Ø18 mm are intermediate sizes — per clause 5.4.4 the next-smaller nominal size (G12 and G16 respectively) governs. Every consignment is supplied with a BIS-format lot test certificate referencing IS 18255 test methods.

FIBRE CONTENT *% by mass*	TG (DSC) *°C*	DEGREE OF CURE *%*	UT STRAIN *%*	MOISTURE 24 H *%*
≥ 75	**≥ 100**	**≥ 95**	**≥ 1.1**	**≤ 0.25**

MOISTURE SAT. *%*	ALKALI RESIDUAL *% Tfu*	DENSITY *g/cm³*	CTE — LONG. *×10⁻⁶ /°C*	SERVICE TEMP. *°C*
≤ 1.0	**≥ 80**	**1.9 – 2.1**	**6 – 10**	**−40 to +80**

Primary materials: ECR boron-free glass roving in a hot-cured epoxy matrix. Surface: helically wrapped (ribbed). Coefficient of variation on any tested property ≤ 0.10. Compliance: IS 18256 : 2023.

PACKAGING

BAR SIZE	SUPPLY FORM	STANDARD LENGTH	COIL INNER Ø	WEIGHT / COIL OR BUNDLE	PALLET COUNT
Ø 4 mm	Coil	150 m	≥ 1.0 m	≈ 3.8 kg / coil	40 – 60
Ø 6 – 12 mm	Coil	100 m	≥ 1.2 m	≈ 6 – 23 kg / coil	24 – 40
Ø 14 – 20 mm	Straight bar	6 m / 12 m	—	60 – 100 kg / bundle	8 – 20
Custom	Coil or straight	On request	As agreed	As agreed	As agreed

Manufactured in Pithampur, Madhya Pradesh, India. Custom lengths and bundle sizes available on request.

STORAGE & HANDLING

Store flat, off the ground on timber dunnage; cover from direct sun and rain. Lift with fabric slings — never steel hooks. Avoid on-site UV exposure beyond 60 days uncovered. Inspect each length for surface damage, fibre exposure or gouges before placing concrete.

Cut with an abrasive disc or fine-tooth diamond blade — sealing cut ends is not required. Tie with plastic clips, soft-annealed steel wire, or zip-ties; no welding. Do not field-bend straight bars; bends are factory-pre-cured only. Maintain clear cover of at least 25 mm (interior) or 40 mm (exposed). Lap and development length: design per IS 18256 reference codes and the structural engineer of record.

Credific Ventures Private Limited
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www.RebarX.in