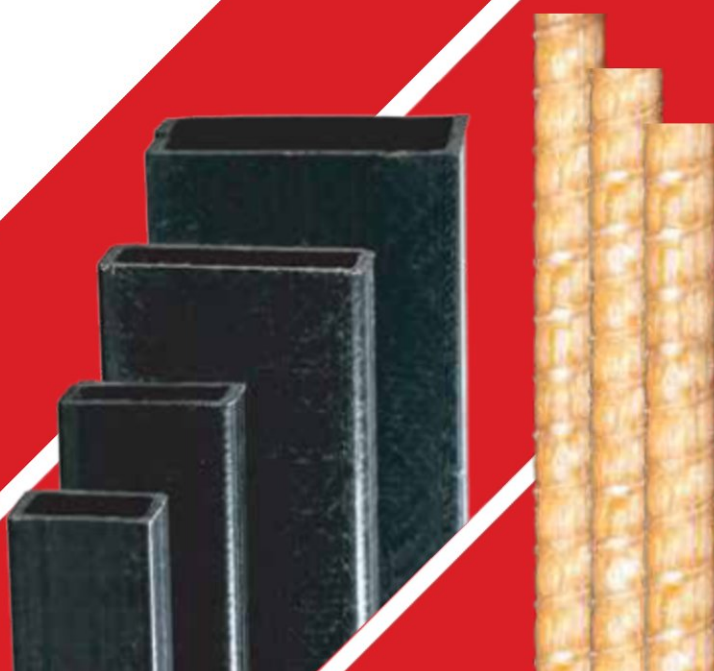




Authorized Distributor:



A Unit of **Evershine Dynamic Corporation Ltd.**



FEC
REBARS

FGE
PROFILES

“

35 YEARS OF EXCELLENCE

For over three decades, Evershine Dynamic Corporation has stood at the forefront of the construction materials industry. We analyzed the three critical bottlenecks stalling modern infrastructure:



Corrosion The silent destroyer of concrete



Rising Labor Costs The need for faster handling

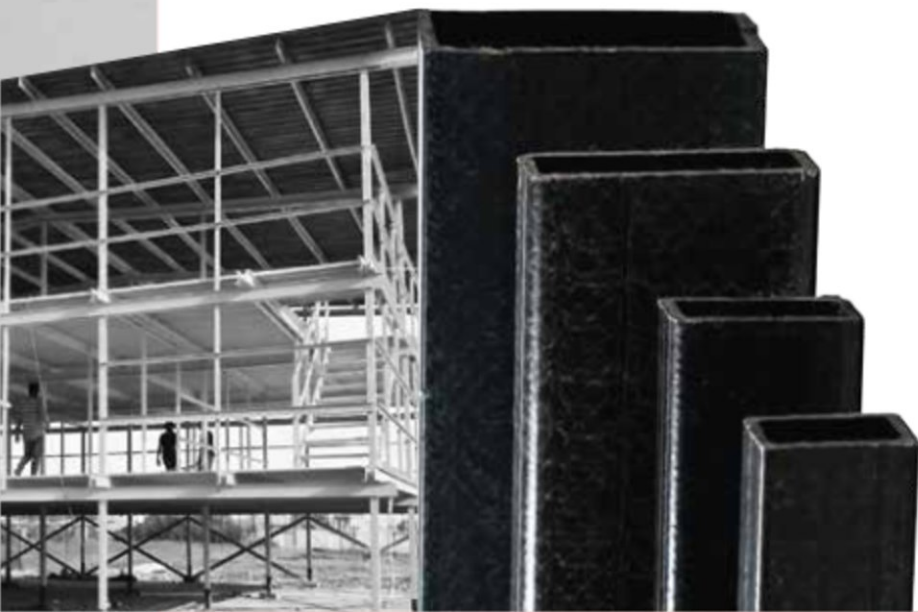


Increasing Carbon Emissions The demand for sustainability

To answer these challenges, we engineered Shinestar Fiberglass Composites (FGC). We have evolved beyond steel to offer a solution that is:

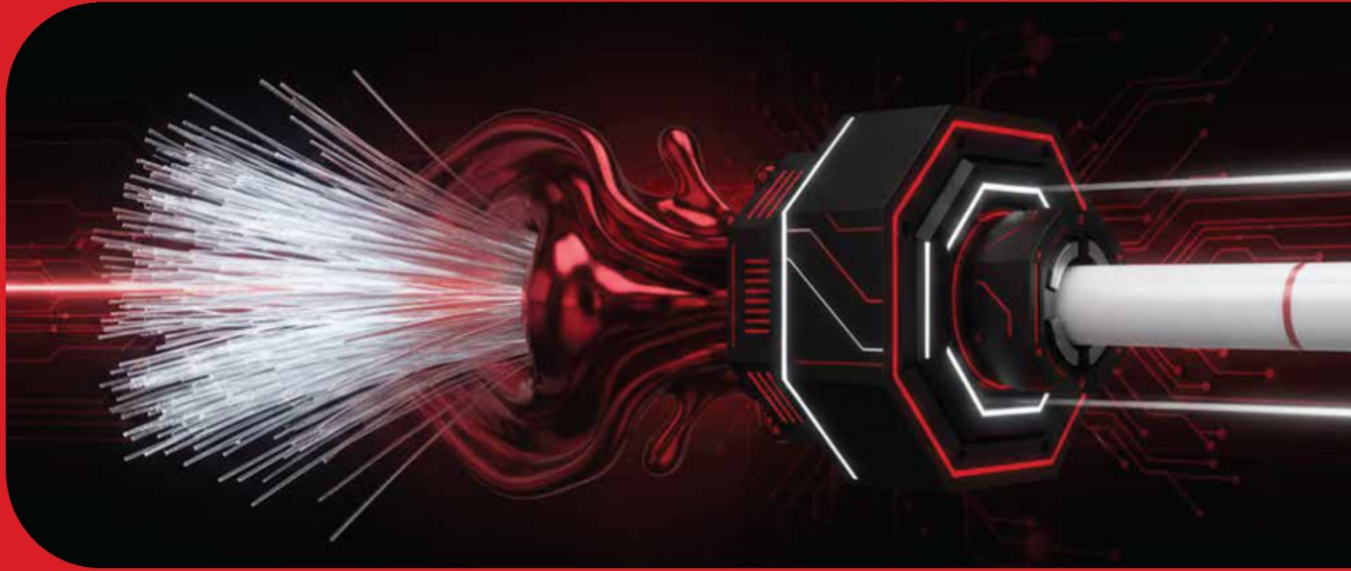
Rust-free | **Ultra-lightweight** | **Sustainable**

Watch Our Story:



ADVANCED COMPOSITE TECHNOLOGY

A Super Material. Now in Construction.



FGC Products are made from:

Load-Bearing Glass Fibers: (The Muscle) – Continuous ECR Glass Roving.

Polymer Matrix: (The Shield) – High-grade Resin.

This provides a super material that is:



RUST PROOF

100% Impervious to salt and moisture.



HIGHER STRENGTH

2x Tensile strength of steel.



LIGHTWEIGHT

1/4th the weight (Logistical magic).



SMART

Transparent to Radio/WiFi & Non-Conductive.



BUILD REPAIR-FREE STRUCTURES USING FGC REBARS

Challenge



Steel expands when it rusts,
cracking the concrete from within.

The Hero



Rebar made for the most
challenging environments.

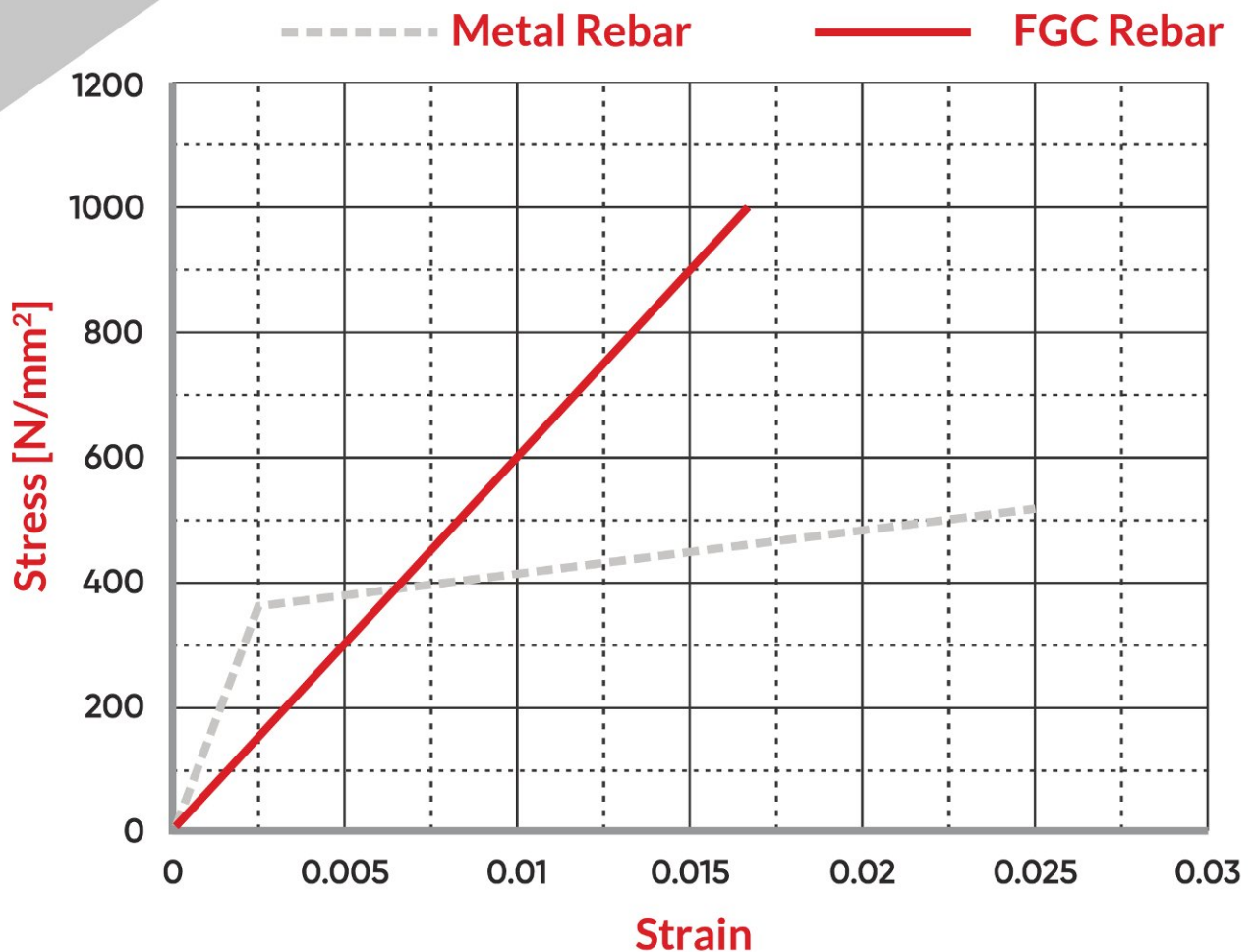
Properties	TMT Rebar	Shinestar FGC	Comparison
Tensile Strength (MPa)	500 min	800-1000 min	Stronger
Weight/Metre (8 mm) (kg)	0.395	0.110	Lighter
Bar Length (metre)	12	upto 200	Lower Wastage
Durability Embedded (years)	25-50	100+	More Durable
Corrosion Resistance	No	Yes	More Durable
Electric Conductivity	Yes	No	No Accidents Risk
Thermal Conductivity	Yes	No	Does Not Dissipate Heat
Required Concrete Covering (mm)	35- 45	20	Lower Concrete Volume
Shear Strength	250	150	Lower
Bond Strength (MPa)	14*	8.5	Compliant as per BIS 18256
Compression (MPa)	500	450	Lower
Coefficient of Thermal Expansion (ppm/°C)	12	10 (Longitudinal) 21 (Transverse)	Similar Longitudinal CTE to Concrete
Modulus of Elasticity (GPa)	160-200	55.5	Lower
Elongation (%)	12% (min.)	4% (max.)	Lower
Density (ton/m ³)	7.8	1.9	Lower

ENGINEERED FOR PERFORMANCE

Key Technical Details

Property	Test Method	Unit	Limit	Value
Ultimate Tensile Strength	IS 18255	MPa	900	≥900
Tensile Modulus of Elasticity	IS 18255	Mpa	≥44800	≥55500
Bond Strength	IS 18255	MPa	≥7.6	≥8.5

Steel yields and deforms. FGC holds the load linearly until failure.



Compliance:



BIS 18256



ASTM D7957

Building &
Design Codes:



IRC 131:2022



ACI 440



CSA S806



Eurocodes
CNR DT 203 R1



STRONGER BAR. LOWER COST.

Don't pay for steel you don't need. Replace 8mm TMT with 6mm FGC.*

TMT / CRS / Stainless Steel
TMT Bars (500 Grade)

Diameter mm	Weight of 1 Meter Bar kg	Tensile Strength N
8	0.395	25150
10	0.617	39250
12	0.888	56550
16	1.580	100500
20	2.470	157000
25	3.850	245500
32	6.310	400500
36	7.990	509000
40	9.870	628500

Shinestar
FGC Rebars

Diameter mm	Weight of 1 Meter Bar kg	Tensile Strength N
6	0.065	30200
8	0.115	40700
10	0.140	66400
12	0.200	103816
14	0.270	165046
16	0.406	261400
20	0.685	408450
22	0.800	494200
24	1.000	588150

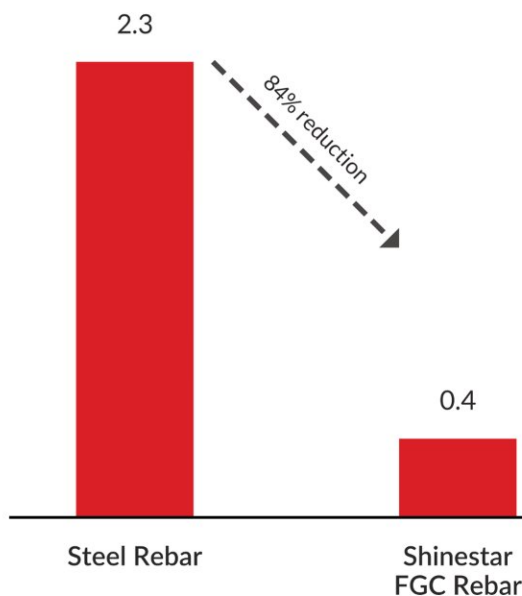
Reduce not just material cost but transport and labour cost by 15-40% as well.

*For specific applications after consultation with Structural Engineer.

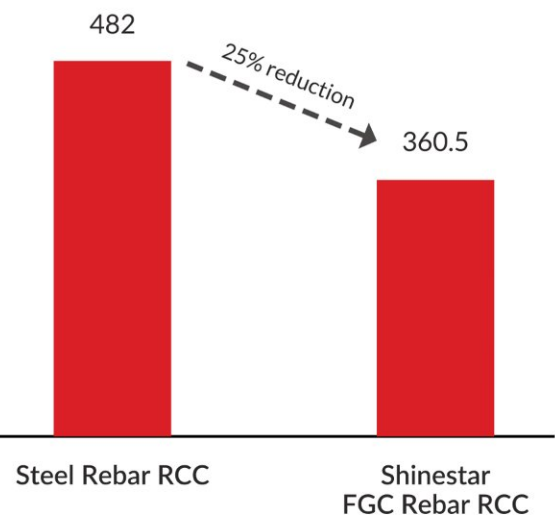
FGC Rebars can also help reduce overall **Carbon Footprint** of applicable RCC structures by over 22%

FGC Rebars are 4x lighter and have 42% less emissions* per KG compared to Steel Rebars.

Carbon Emissions (kg/metre)



CO2 Emissions per m³ of RCC (kg)





BUILD EVERLASTING FOR MULTIPLE APPLICATIONS

INDUSTRIAL FLOORING



RCC ROADS



DRAINS



PRECAST STRUCTURES



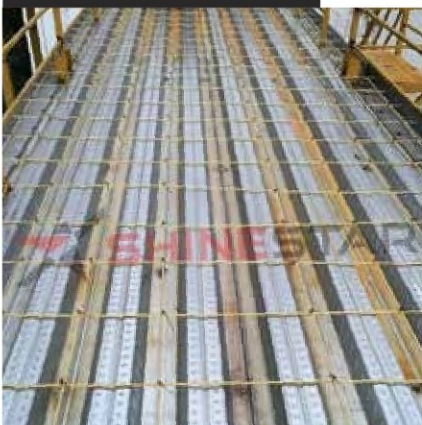
SWIMMING POOL



WATER TANKS



DECK SHEET REINFORCEMENT



PLINTH, LINTEL & SILL BEAMS



COMPOUND WALLS AND MANY MORE



SITE READY & EASY TO HANDLE

FGC cannot be bent on site. We provide factory-engineered bends.

L-BENDS

01



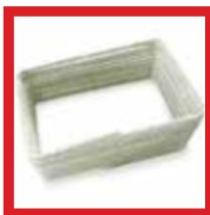
U-BENDS

02



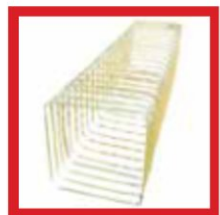
STIRRUPS

03



SPIRALS

04



HANDLING 101

Shinestar FGC strongly recommends utilising PPE (gloves & masks) when handling FGC Rebars.

Cut

Standard cutting can be done.
Diamond blade recommended.



Tie

MS/GI/SS Wires can be used.
Plastic/Nylon ties also possible.



Lift

1 worker does the work of 4.
Gloves recommended when lifting.





250+ Projects.

SOME OF OUR SUPPLIED PROJECTS PROVEN IN THE FIELD



Swiggy Instamart

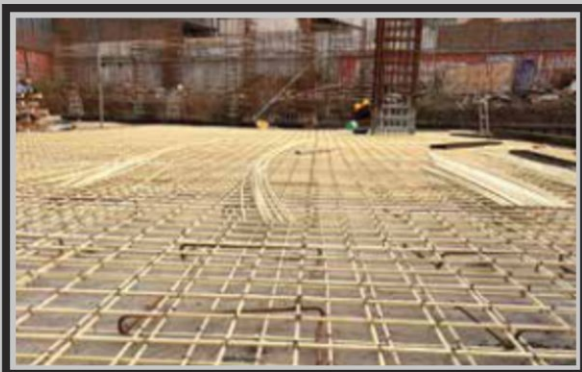
Application: Warehouse Flooring
Location: Bangalore



STARBUCKS

Starbucks

Application: Circular Slab
Location: Perundurai



zudio

Zudio Showroom

Application: Grade Slab
Location: Coimbatore



Patels Inn Resort

Application: RCC Road
Location: Bangalore



SHINESTAR

FGE
PROFILES



STRUCTURAL SHAPES. FIT & FORGET. NO RUST.

Build frames, supports, and structures that never rust.

400+ SKUs available. - Highlight this

C-Channel



Angle
(L-Shape)



Square Tube



I-Beam



Round Pipe



Rectangular
Tube



Flat



Bench





VERSATILITY UNLEASHED

ROOFING



FENCING



GATES



TERRACE SHED



PERGOLA



RAILINGS



PLUMBING DUCT COVER



SOLAR PANEL MOUNTS



PARKING SHEDS AND MANY MORE





EASY Assembly. FAST Installation.



Assembly
Methods

Pop Riveting

01

Bolt & Nut Joining

02

Epoxy Adhesives

03

Comparison Table:

	Shinestar FGC	Stainless Steel	Wood	MS/GI	Aluminium
Complete Corrosion Resistance	★★★★★	★★★★	★★★★★	★★	★★★
Rot And Insect Resistance	✓	✓	✗	✓	✓
Strength	★★★★	★★★★★	★★	★★★★★	★★★★
Weight	Lightweight	Very Heavy	Very Lightweight	Very Heavy	Heavy
Electrical Insulation	✓	✗	✓	✗	✗
Material Cost	₹₹₹₹₹	₹₹₹₹₹	₹₹₹₹₹	₹₹₹₹₹	₹₹₹₹₹
Maintenance Cost	0	₹₹₹₹₹	₹₹₹₹₹	₹₹₹₹₹	₹₹₹₹₹
Overall Cost	₹₹₹₹₹	₹₹₹₹₹	₹₹₹₹₹	₹₹₹₹₹	₹₹₹₹₹



Certified TRUST

Codes:



Enlisted
CIDC Vendor



BIS
Compliant



ISO 9001
2015 Certified

NABL Test Reports:



Trusted By INDUSTRY LEADERS

RADIANCE
REALTY

VGP
PROMOTERS

SVB

Plumeria
Contracting Services

GoBuilder
building happiness

IIT MADRAS
Indian Institute of Technology Madras

GEMINI
CONSTRUCTIONS

DIAMOND
CITY

zudio

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VISHVA VIDYAPEETHAM

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DIAMOND
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KARPAGAM BUILDERS

JVS
Illuminating Sustainability

STARBUCKS

CHASHANTH CONSTRUCTIONS

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GREEN BUILDERS

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AVISHKAAR HOMES

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Your Future our Build

NEXON
Building Elegance

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INSTITUTE OF
CONSTRUCTION
TECHNOLOGY

SWIGGY

ASHOK LEYLAND

SNN
ESTATES

Patels
CLUB RESORT
Close to your Heart
Close to your Home

Chakra
Property Developers Pvt. Ltd.

Tefillah
INTERIOR DESIGN

PSG

JAYALAKSHMI

BJ Group's
Build Together

ebd

SERVICING Pan-india



Factory

Raipur



Warehouse

Coimbatore, Bengaluru, Hyderabad

Ernakulam, Calicut, Goa, Cuttack

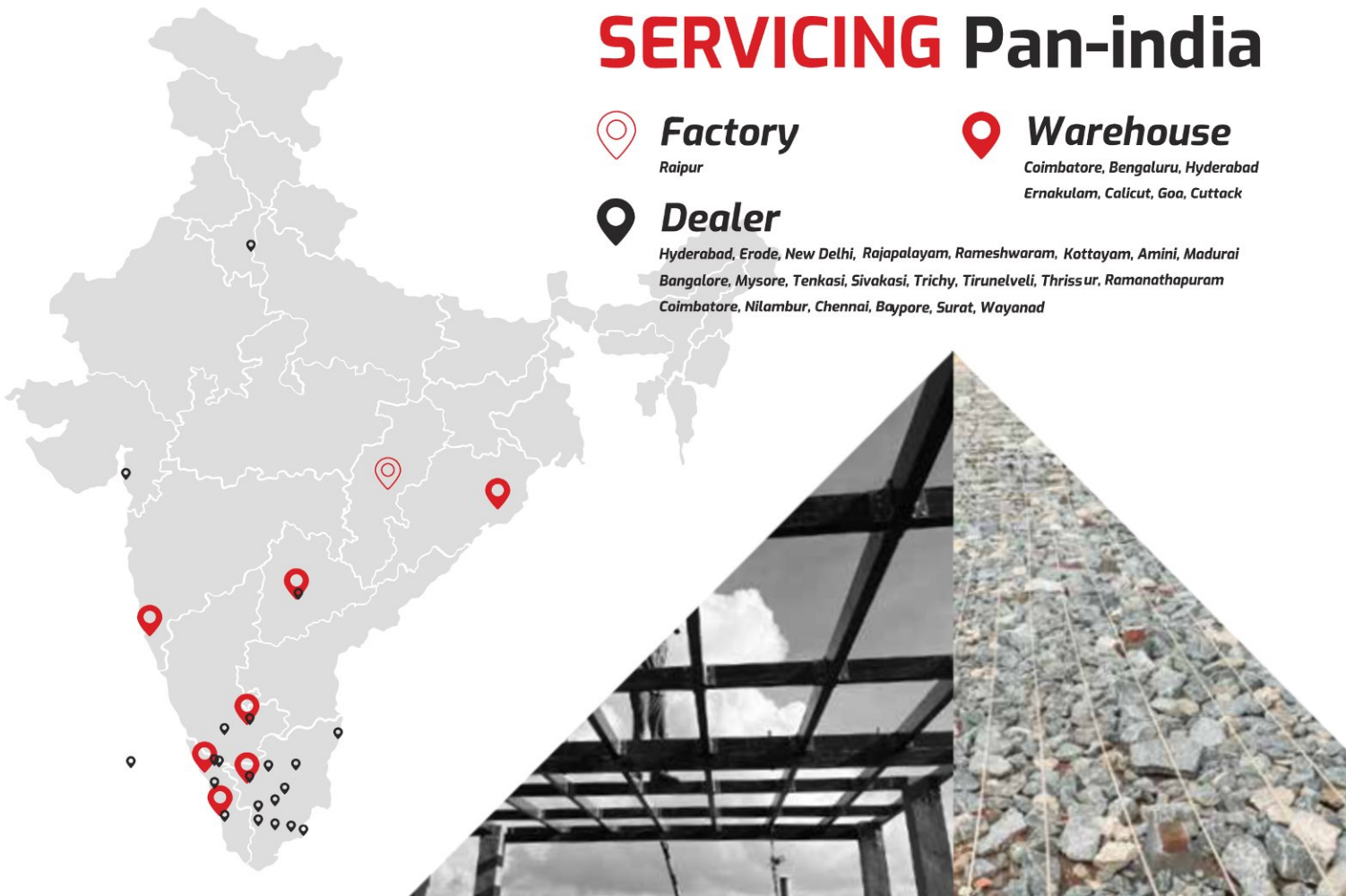


Dealer

Hyderabad, Erode, New Delhi, Rajapalayam, Rameshwaram, Kottayam, Amini, Madurai

Bangalore, Mysore, Tenkasi, Sivakasi, Trichy, Tirunelveli, Thrissur, Ramanathapuram

Coimbatore, Nilambur, Chennai, Baypore, Surat, Wayanad



The SHINESTAR ADVANTAGE



35+ Years of trust EVERSHINE GROUP

Our State of the Art Factory is located in
Raipur, Chattisgarh

Quality Check Process:



AI-enabled
process for
detecting
product
defects.



Customisable Lengths Possible



Available in 100mtr Rolls



Ready Made Stirrups Available



Dispatch in 24 hours
(for selected sizes)



Technical Support:

We don't just sell; our Structural Team helps you convert your drawings from Steel to FGC.
Our Technical Advisory Team with combined 25+ years of structural experience with FGC.

Principal Engineer

PhD in Structural Engineering

Post-doctoral Researcher in GFRP @IIT Madras
PhD in Structural Engineering from BITS Pilani
Bachelor of Engineering from Anna University
with specialization in GFRP



Technical Advisor

PhD in Structural Engineering

Masters in Structural Engineering from
Coventry University, UK
PhD in Structural Engineering from REVA
with specialization in FiberGlass Connections



Technical Advisor

PhD in FiberGlass Composites

Masters in Structural Engineering
Chartered Civil Engineer
13+ years of experience in Structural
Engineering with Fiber Glass Composites





Our impact so far

20+ Years

Of Collective Technical Expertise

10 Million sq.ft

Area Covered

250+

Projects Delivered

2000+ Kms

Of Material Supplied

2000+ Tons

CO₂ Emissions Reduced

“

BUILD SMARTER

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