



MODERN BUILDING
NEEDS MODERN
CONSTRUCTION



PRODUCT CATALOGUE



GFRP REBAR



GFRP MESH



MONOFILAMENT
MICRO FIBER



GFRP PROFILES



FRP BENCHES



GFRP BENT
ELEMENTS



FRP MANHOLE
COVERS

GFRP REBAR

HIGH PERFORMANCE REINFORCEMENT FOR LASTING STRUCTURES

Manufactured with high quality Owens Corning ECR glass fibre and advanced 4-part resin system, GFRP rebar offers a strong, durable and non-corrosive alternative to steel for concrete reinforcement.



TECHNICAL PROPERTIES

Tensile Strength
1100 MPa

Density
~1.9 g/cm³
(≈4× lighter than steel)

STANDARD SUPPLY

Available in 100 mtr coils / Custom length straight bars (as per requirement)

APPLICATIONS



Buildings

Bridges

Precast Elements

Industrial Floors

Marine Structures

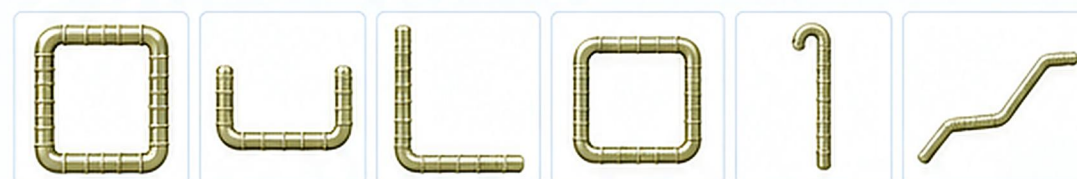
GFRP BENT ELEMENTS

CUSTOM SHAPES FOR STRONGER STRUCTURES

GFRP Bent Elements are precision-bent from high-strength GFRP rebar, providing the same corrosion resistance and durability in customized shapes for your construction needs.



AVAILABLE SHAPES (Starts from 6 mm)


 Stirrups
(Square/Rectangular)

U-Bends

L-Bends

Closed Links

Hooks

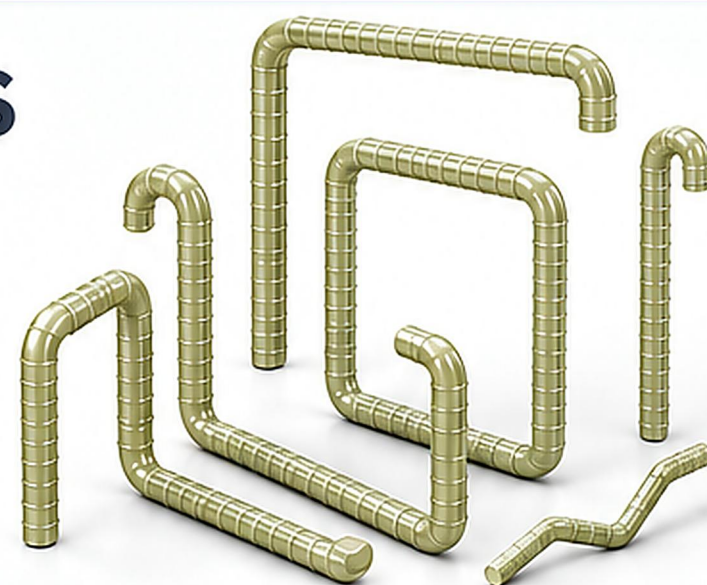
 Custom Shapes
(As per drawing)

KEY BENEFITS

- ✓ Made from Owens Corning ECR glass fibre
- ✓ 4-part resin system (Vinyl Ester based)
- ✓ No rust, even in harsh environments
- ✓ Custom shapes as per your drawings
- ✓ Saves on-site bending time and labour
- ✓ Lightweight and easy to handle
- ✓ Ideal for RCC, precast and infrastructure projects
- ✓ Same strength and durability as straight rebar

SIZE & STRENGTH CHART

Diameter (mm)	Strength (MPa)	Ultimate Tensile Load (kN)
6	1100	31.10
8	1100	55.29
10	1100	86.39
12	1100	124.41
14	1100	169.33
16	1100	221.17
18	1100	279.92
20	1100	345.58
22	1100	418.15
25	1100	539.96
25	1100	677.33
32	1100	884.67
34	1100	998.71



APPLICATION EXAMPLES



Crash Barriers

Precast Elements

Retaining Walls



Drains & Channels

Custom Applications



GFRP PROFILES

RUST-FREE • LOW MAINTENANCE • BUILT FOR OUTDOOR USE

Lightweight composite profiles for durable frames, structures and outdoor fabrication. Premium surface finish means no routine painting; non-corrosive and resistant to pests and many chemicals.



RUST
FREE



NO
PAINTING



LIGHTWEIGHT



LOW
MAINTENANCE



WEATHER
RESISTANT

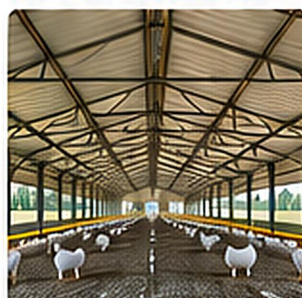


PEST &
CHEMICAL FREE



ELECTRICAL
INSULATOR

APPLICATIONS



Poultry Sheds



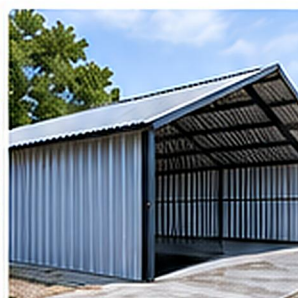
Solar Panel Frames



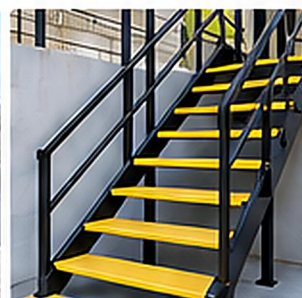
Parking Structures/
Canopies



Overhead Tank
Structures



Roofing / Outdoor Sheds



Staircase & Railings

CONCRETE REINFORCEMENT FIBER

DISPERSED REINFORCEMENT FOR CRACK CONTROL

Available in AR Glass Fiber and PP (Polypropylene) Fiber.



AR Glass Fiber



PP (Polypropylene) Fiber

REPORTED M40 TEST RESULTS

28 days Compressive Strength	+9%
Drying shrinkage	-47%
Split Tensile Strength	+23%
Flexural Strength (28 days)	+10%

Results shown are from the supplied test material; performance depends on mix design, dosage and test conditions.



CRACK
CONTROL



REDUCED
SHRINKAGE CRACKING



IMPROVED
TOUGHNESS / DUCTILITY



REDUCED
WATER PERMEABILITY



BETTER
DURABILITY

SIZE & TYPICAL APPLICATION

Length (mm)	Typical Application
1	Glass Powder for paint & waterproofing
3	Also suitable for paint
6	Plaster
12	Concrete, RMC, RCC & slabs
24	Industrial flooring, PQC & PCC

TYPICAL DOSAGE GUIDE (Supplied dosage examples)

Fiber Length	Dosage
6 mm	100 g per 50 kg cement bag
12 mm	100 g per 50 kg cement bag
12 mm	900 – 1000 g per 1 m ³ concrete

Note: These are supplied dosage examples and not a universal specification. Actual dosage may vary based on mix design and application.

APPLICATION VISUALS



Plastering



Concrete / RMC / Slab



Industrial Flooring / PQC

GFRP MESH

LIGHTER. STRONGER. LONGER LASTING.

GFRP Mesh is a high-strength, non-corrosive reinforcement solution for concrete, precast and other civil applications. It provides excellent durability in harsh environments and is easy to handle and install.



RUST
FREE



LIGHTWEIGHT



CHEMICAL
RESISTANT



NON-
CONDUCTIVE



LOW
MAINTENANCE



LONG
SERVICE LIFE

A STRONGER
ALTERNATIVE
FOR MODERN
CONSTRUCTION

AVAILABLE SIZES

Mesh Size (mm x mm)	Bar Diameter (mm)	Roll Dimension (Length x Width)
100 x 100	4	100 m x 2 m 50 m x 2 m
150 x 150	4	100 m x 2 m 50 m x 2 m
200 x 200	4	100 m x 2 m 50 m x 2 m
100 x 100	6	100 m x 2 m 50 m x 2 m
150 x 150	6	100 m x 2 m 50 m x 2 m
200 x 200	6	100 m x 2 m 50 m x 2 m

KEY BENEFITS

- ✓ Non-corrosive – ideal for aggressive environments
- ✓ High tensile strength
- ✓ Lightweight and easy to install
- ✓ Reduces cracking and improves durability
- ✓ Chemically inert and UV resistant
- ✓ Cost-effective over lifecycle

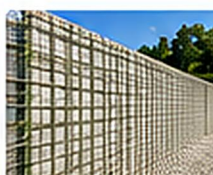
APPLICATIONS



Slabs & Flooring



Precast Elements



Retaining Walls



Roads & Infra Projects

FRP MANHOLE COVER

STRONGER. SAFER. LONGER LASTING.

FRP Manhole Covers are a durable and reliable solution for modern infrastructure. Designed for high strength, weather resistance and long service life, they are ideal for municipal, industrial and commercial applications.



NON-
CORROSIVE



HIGH
STRENGTH



LIGHTWEIGHT



ZERO
MAINTENANCE



WEATHER
RESISTANT

SQUARE COVERS



12" x 12"
(310 x 310 mm)



15" x 15"
(380 x 380 mm)



18" x 18"
(460 x 460 mm)



18" x 24"
(460 x 610 mm)



21" x 21"
(535 x 535 mm)



24" x 24"
(610 x 610 mm)

FEATURES

- ✓ Water proof and non-corrosive
- ✓ High load bearing capacity
- ✓ Chemical and slip resistant
- ✓ Pest proof and theft deterrent
- ✓ Available in multiple sizes
- ✓ Long service life

Available Colors



ROUND COVERS



16R
(400 mm dia)



18R
(450 mm dia)



24R
(600 mm dia)

APPLICATIONS



Roads & Footpaths



Drainage



Industrial Areas



Landscaping





—— Driving the Shift Beyond Steel ——



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