



Fiberglass Reinforcement

Corrosion-Proof Longevity &
High-Tensile Composite Engineering

Key Features

Total Corrosion Resistance: 100% rust-proof material, ideal for high-salinity coastal areas (like Kilifi) and chemical processing plants.

Superior Tensile Strength: Boasts a tensile strength up to 3x higher than standard Grade 500 steel rebar.

Ultra-Lightweight: 4x lighter than steel, significantly reducing transport costs and on-site manual handling fatigue.

Non-Conductive & Non-Magnetic: Ideal for MRI rooms, electrical substations, and sensitive electronic environments.

Thermal Neutrality: Does not create thermal bridges, enhancing the energy

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Technical Specifications

Parameter	Details
Diameter Range	4mm to 32mm (Straight & Custom Bent)
Mesh Grid Sizes	50mm x 50mm up to 200mm x 200mm
Tensile Strength	600 - 1100 MPa (depending on diameter)
Elastic Modulus	>40 GPa
Density	1.9 - 2.1 g/cm ³
Bond Strength	Sand-coated surface for superior concrete adhesion

Benefits

Zero Maintenance: Eliminates the risk of "concrete cancer" (spalling) caused by rusting steel reinforcement.

Ease of Cutting: Can be easily cut with standard saws, eliminating the need for heavy-duty rebar shears.

Sustainability: Longer service life (100+ years) reduces the need for structural repairs and material replacement.

Bent Shapes: Factory-customized bends (links, stirrups, and corners) ensure precision without the micro-cracking associated with

Factory Address: Kilifi, Kenya
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Applications

Coastal Infrastructure: Sea walls, piers, and foundations exposed to salt spray.

Precast Elements: Reinforcement for thin-wall panels where concrete cover is minimal.

Swimming Pools & Water Tanks: Continuous exposure to water and chlorine requires rust-proof reinforcement.

Flatwork & Pavements: Mesh reinforcement for driveways and industrial floors to control shrinkage cracking.

Why Choose WEB Housing Fiberglass Reinforcement?

High-Tech Composite: Our reinforcement uses premium glass fibers and vinyl ester resins for maximum chemical resistance.

Custom Fabrication: We provide pre-bent stirrups and custom-sized mesh rolls to match your structural drawings perfectly.

Certified Performance: Every batch is tested for tensile properties to ensure it meets international composite

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