

A close-up photograph of a yellowish-green GFRP mesh and bar. The mesh consists of a grid of horizontal and vertical fibers, while the bar is a single thick fiber. The background is dark, making the fibers stand out.

# STARBAR<sup>TM</sup> GFRP MESH AND BAR

## PRODUCT OVERVIEW

Starbars<sup>TM</sup> GFRP Mesh & Bar are non-metallic, corrosion-resistant reinforcements used in concrete construction exposed to aggressive environments. Manufactured to ASTM D7957/D7957M-22 and compliant with ACI 440.11, they provide long-term performance where steel corrodes or fails.

## CORE BENEFITS & DIFFERENTIATORS



### CORROSION-FREE

No rust, enabling long service life



### NON-CONDUCTIVE

Safe for EM-sensitive environments



### HIGH TENSILE STRENGTH

Suitable for structural concrete



### FIRE AND CHEMICAL RESISTANT

Performs under extreme temperatures up to 1,200°C



### LIGHTWEIGHT

4x lighter than steel for easier handling and faster installation



## TECHNICAL SPECIFICATIONS

- Non-corrosive, non-magnetic
- High-strength continuous glass fibre in epoxy matrix
- Tensile strength >1000 MPa
- Elastic, anisotropic behaviour
- Thermal expansion compatible with concrete
- Cannot be bent onsite – factory-shaped only
- ASTM D7957 / ACI 440.5 compliant

## AVAILABLE SIZES

### STARBARSTM GFRP MESH

136365	Fibreglass Mesh SL72	2400mm x 5800mm
136392	Fibreglass Mesh SL82	2400mm x 5800mm
136911	Fibreglass Mesh SL92	2400mm x 5800mm
136362	Fibreglass Mesh SL81	2400mm x 5800mm

### STARBARSTM GFRP BAR

121478	Fibreglass Deformed Bar	10mm x 6000mm
122358	Fibreglass Deformed Bar	12mm x 6000mm
121480	Fibreglass Deformed Bar	16mm x 6000mm

## KEY APPLICATIONS

- Marine/coastal structures (seawalls, wharves, piers)
- Bridges, decks, approach slabs, and barrier walls
- Wastewater and water-retaining infrastructure
- Civil/industrial facilities exposed to chemical or moisture
- Electromagnetic-sensitive zones (hospitals, airports, maglev systems)



### COMPLIANCE & CERTIFICATIONS



ASTM D7957 / D7957M-22



ACI SPEC 440.5-22  
ACI CODE 440.11-22

BS EN 1992-1-1:2023



### Get a Free Quote

Select your required quantity and type of Mesh or Bar, and we'll send you a tailored quote for your project.

Contact: [sales@danterr.com](mailto:sales@danterr.com) | 1800 262 383