

COMPOSIBAR®

Composite Fiberglass Rebar for the Construction Industry



High Strength



Lightweight



Rustproof



Low Labor &
Transport Cost



Made in the
USA

Brief Description

COMPOSIBAR® is composite rebar designed specifically for concrete in flatwork and masonry applications. Manufactured by Strongwell using a patented process* with corrosion resistant fiberglass and thermoset resin. **COMPOSIBAR®** is lightweight, strong, non-metallic, and completely rustproof.

Applications

- Parking Lots
- Curb & Gutter
- Building Slabs
- Pedestrian Trails
- Warehouse Floors
- Agricultural Slabs
- Loading Docks
- Cellular Screens
- Driveways
- Architectural Precast
- Truck Aprons
- Pour Back Slabs
- Grain Bins
- Pools
- Patios
- CMU Walls
- Foundations
- Footings



COMPOSIBAR® PHYSICAL & MECHANICAL PROPERTIES

	#3	#4
Nominal Diameter	3/8" (10mm)	1/2" (13mm)
Unit Weight/Length (average)	0.100 lb/ft (0.149 kg/m)	0.180 lb/ft (0.268 kg/m)
Guaranteed Ultimate Tensile Strength	145,000 psi (1,000 MPa)	110,000 psi (758 MPa)
Ultimate Tensile Strain	2.20%	1.90%
Tensile Modulus of Elasticity (mean)	7,000,000 psi (48 Gpa)	7,000,000 psi (48 Gpa)
Transverse Shear Strength (mean)	29,500 psi (203 Mpa)	27,100 psi (187 Mpa)
Bond Strength to Concrete	1,885 psi (13 Mpa)	1,885 psi (13 Mpa)

Where to Buy

Contact us at strongwell.com to get started.

Handling

The main difference in working with **COMPOSIBAR®** vs. steel bars is in cutting. Instead of shearing, use a diamond or carbide grit blade to cut bars. **COMPOSIBAR®** is on average 74% lighter than comparable steel bars and doesn't get hot when left in the sun, making handling and cutting tasks generally quicker and easier.

Installation

COMPOSIBAR® can use the same ties and chairs as steel, however, plastic or composite materials are recommended to prevent rust.

Performance Standards

COMPOSIBAR® meets all physical and mechanical requirements of ASTM D7957. For applications not addressed by **COMPOSIBAR®**, contact Strongwell for information on other composite solutions.

*See strongwell.com/patents



COMPOSIBAR® is made exclusively by:



The World Leader in Pultrusion and
Pultruded Fiberglass Structures & Shapes



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