



Durable Fiberglass Rebar



Greenbar2X® fiberglass rebar by Mateenbar® offers a superior alternative to steel for residential and light commercial projects. Made in the USA, it delivers high tensile strength, durability, and corrosion resistance. Lightweight, rustproof, and UV-resistant, Greenbar2X® simplifies handling, reduces labor costs, and boosts productivity. Ideal for foundations, driveways, pool decks, and patios, it pairs with stocked Greenbends™ for a complete, ready-to-install reinforcement solution.

Build Stronger. Faster. **Better.**

Trusted Performance & Built for Pros

Pros rely on Greenbar2X® because it delivers consistent results from the first pour to the final inspection. It stays clean and reliable on site—no rust, no mess, no surprises—reducing callbacks and rework. Its lighter design helps crews work faster and with less strain, while dependable quality means projects stay on schedule. Built to handle the realities of the job site, Greenbar2X® gives professionals the confidence to build efficiently and deliver lasting results.



Meets or Exceeds Standards

Greenbar2X® is engineered to meet or exceed key industry standards, codes, and specifications, giving contractors and professionals confidence in its performance, safety, and compliance. Designed for optimal results across construction projects, Greenbar2X® supports a streamlined approval process to simplify permitting and reduce delays related to compliance checks.

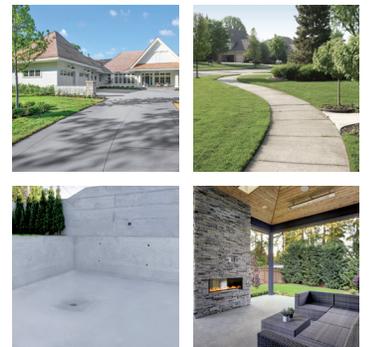
MATERIAL STANDARDS: ASTM D7957 & CSA-S807 Grade I

RESIDENTIAL & COMMERCIAL CONCRETE: ICC EER-5548, ICC ESR-5548, ACI 332 & ACI 440.11

MASONRY: TMS 402/602-22

Typical Concrete Applications

RESIDENTIAL	COMMERCIAL/ LIGHT INDUSTRIAL	MASONRY
<ul style="list-style-type: none"> • Driveways • Sidewalks • Patio • Pool Decks and Walls • Slabs/Foundations • Footings • ICF Construction 	<ul style="list-style-type: none"> • Warehouse Floors • Agricultural Slabs • Loading Docks • Architectural Precast • Truck Aprons • Pour Back Slabs 	<ul style="list-style-type: none"> • Stairwells • Basement Walls • Elevator Shafts • Step Crack Repair • Retrofit for Existing Masonry • Exterior Walls



Straight Bars Technical Data

BAR NUMBER	NOMINAL DIAMETER		GUARANTEED ULTIMATE TENSILE STRENGTH		GUARANTEED TENSILE FORCE		WEIGHT	NOMINAL CROSS-SECTIONAL AREA		OUTER DIAMETER (INCLUDING RIBS)	
	mm	in	MPa	ksi	kN	kip		lb/ft	mm ²	in ²	mm
#3 / M10	9.5	0.375	830	120	59	13.2	0.113	71	0.11	10.0	0.394
#4 / M13	12.7	0.500	745	108	96	21.6	0.183	129	0.20	13.0	0.512
#5 / M16	15.9	0.625	650	94	130	29.1	0.282	199	0.31	16.0	0.630

FIBER MASS CONTENT	MOISTURE ABSORPTION IN 24 H AT 50°C [122°F]	MOISTURE ABSORPTION TO SATURATION AT 50°C [122°F]	ELASTIC MODULUS		MEAN GLASS TRANSITION TEMPERATURE (DSC)		GUARANTEED TRANSVERSE SHEAR STRENGTH		BOND STRENGTH	
			GPa	ksi	°F	°C	ksi	MPa	psi	MPa
≥75	≤0.15	<0.75	46.8	6800	≥212	≥100	≥22	≥152	≥1100	≥7.6

Primary materials: vinyl ester and corrosion resistant E-CR glass.

Bond strength exceeds ASTM D7957.

For details on Mateenbar60™ and any related bends product, refer to those specific product brochures.

Packaging

Manufactured and shipped in the USA. Master bundles are available in standard sizes*. Prefabricated bends are available upon request.

BAR SIZE	WEIGHT PER 20-FT BAR (lb)	NO. OF BARS PER MASTER BUNDLE	WEIGHT PER MASTER BUNDLE (lb)	NO. OF BARS IN A FULL TRUCK LOAD (FTL)	NET WEIGHT PER FTL (lb)
#3	2.26	240	542	19,920	44,986
#4	3.66	120	439	12,240	44,778
#5	5.64	120	677	7,920	44,682

*Estimates only. Dunnage or other packaging except the bundle straps are not included in the net weight.

Storage & Handling

Greenbar2X® is outdoor-durable, though oxidation and UV exposure may cause surface discoloration, fading, or chalking. These effects are purely cosmetic and do not impact performance. For extended sunlight exposure, using a protective cover is recommended.

When handling and installing, use a fine-blade saw, carbide grit blade saw, grinder, or diamond blade for cutting; sealing ends is unnecessary. Space chairs properly for adequate concrete cover and use standard tying methods. Ensure concrete cover exceeds two bar diameters to prevent thermal cracking, and follow guidelines for general reinforcement practices.

Ready To Build?



Contact Us Today.

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Leading the World in Durable Fiberglass Rebar



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