



INFRASTRUCTURE SOLUTIONS

PINKBAR®+ FIBERGLAS™ REBAR STRONGER. LIGHTER. RUSTPROOF.

PINKBAR®+ Fiberglass™ Rebar is a stronger, lighter weight, rustproof concrete reinforcement designed to meet the codes and standards you trust, help you increase on-site productivity and deliver more durable structures.

- GLAS-POWERED™ by Owens Corning corrosion-resistant Advantex® Fiberglass™

Product Advantages Compared to Steel



STRONGER

- 2x stronger in tensile strength



LIGHTER

- 4x lighter
- Up to 7x lighter in concrete flatwork applications¹



RUSTPROOF

- More durable structures



ENHANCED PRO EXPERIENCE

- Scratch-free, heat-free handling
- High-visibility colors
- Non-conductive

¹#3(10mm) PINKBAR®+ replaces #4 (13mm) steel rebar in flatwork applications requiring reinforcement for shrinkage crack mitigation.

Code-Approved and Proven Performance

ASTM D7957 & CSA S807

- PINKBAR®+ Fiberglass™ Rebar by OCIS complies with ASTM D7957 and CSA S807 material standards.

ACI 332 & ACI 440

- PINKBAR®+ Fiberglass™ Rebar by OCIS can be used in residential concrete, including footings and foundation walls, as prescribed in ACI 332 using ACI 440 design methodology.

ICC-ES AC454

- Meets or exceeds ICC-ES AC454 acceptance criteria, including bond strength, tensile strength, and tensile modulus of elasticity.

TMS 402/602

- PINKBAR®+ Fiberglass™ Rebar by OCIS can be used with TMS 402/602-22 Appendix D as reinforcing for

Applications

PINKBAR®+ Fiberglass™ Rebar by OCIS is intended for use in:

RESIDENTIAL		COMMERCIAL/INDUSTRIAL	
• Driveways	• Basement Walls	• Parking Slabs	• Architectural Precast
• Sidewalks	• Footings	• Warehouse Floors	• Truck Aprons
• Pool Decks	• Concrete Masonry	• Agricultural Slabs	• Pour Back Slabs
• Basement Floors	• ICF Construction	• Loading Docks	

Physical & Mechanical Properties

NOMINAL DIAMETER			NOMINAL CROSS SECTIONAL AREA		UNIT WEIGHT/ LENGTH		GUARANTEED ULTIMATE TENSILE FORCE		GUARANTEED ULTIMATE TENSILE STRENGTH		ULTIMATE TENSILE STRAIN	MEAN TENSILE MODULUS OF ELASTICITY	
Bar Size	in	mm	in²	mm²	lb/ft	kg/m	kip	kN	ksi	MPa	%	Msi	GPa
#3	0.375	10	0.11	71	0.11	0.16	16.0	71.00	145.0	1003	1.86%	6.80	46.88
#4	0.500	13	0.20	129	0.18	0.27	24.70	110.00	124.5	852	1.82%	6.80	46.88

MEAN TRANSVERSE SHEAR STRENGTH		BOND STRENGTH		FIBER MASS CONTENT	MOISTURE ABSORPTION IN 24 H AT 50°C (122°F)	MOISTURE ABSORPTION TO SATURATION AT 50°C (122°F)	MEAN GLASS TRANSITION TEMPERATURE (DSC)	
ksi	MPa	psi	MPa	%	%	%	°F	°C
≥19	≥131	≥1100	≥7.6	≥70	≤0.25	<1.0	≥212	≥100

Handling & Placement

Handling and installation of PINKBAR®+ Fiberglas™ Rebar by OCIS is the same as for steel bars, with a few notes and exceptions:

- Cutting: Do not shear fiberglass bars. Field-cut fiberglass bars using a fine-blade saw, grinder, and carborundum or diamond blade. Sealing the ends of fiberglass bars is not necessary.
- Chairing: Place chairs at a spacing that ensures adequate concrete cover.
- Tying: Use same tying methods as for steel rebar. Tie wire material based on contractor preference.
- Concrete cover should be greater than two bar diameters to avoid thermal reflective cracking.
- Can easily be field-formed into large radius curves. See web pages for minimum field bend radius.

As with any reinforcement placement, be sure to follow best practices in all phases of your concrete project, from planning to construction, including pouring, curing, joint cutting, and maintenance for optimal performance.

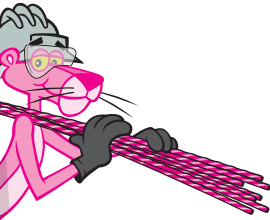
PINKBAR®+ Fiberglas™ Rebar by OCIS ships from multiple locations in the U.S. Master bundles are available in standard sizes.

BAR SIZE			WEIGHT PER 6-M/20-FT BAR		NO. OF BARS PER MASTER BUNDLE	WEIGHT PER MASTER BUNDLE		NO. OF BARS IN A FULL TRUCK LOAD (FTL)	WEIGHT PER FTL	
#	mm	in	kg	lb	qty	kg	lb	qty	lb	ton
#3	10	0.375	1	2.22	500	500	1110	20,000	44,400	22
#4	13	0.500	1.6	3.63	250	411	907	12,000	43,560	22

Labeling & Certificates

Production lot certificates are available upon request — traceable by bar marks imprinted on the bar in intervals showing the bar diameter, stock order, and production date.

PINKBAR®+ Fiberglas™ Rebar by OCIS is durable in the outdoor environment. Discoloration, fading, or chalking of the surface can occur due to oxidation or UV exposure. However, this is cosmetic only and will not affect the performance of the bar. For prolonged exposure under direct sunlight, protective cover is recommended to minimize these effects.



HOW WE BUILD NOW™



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CALCULATE SAVINGS IN FLATWORK

