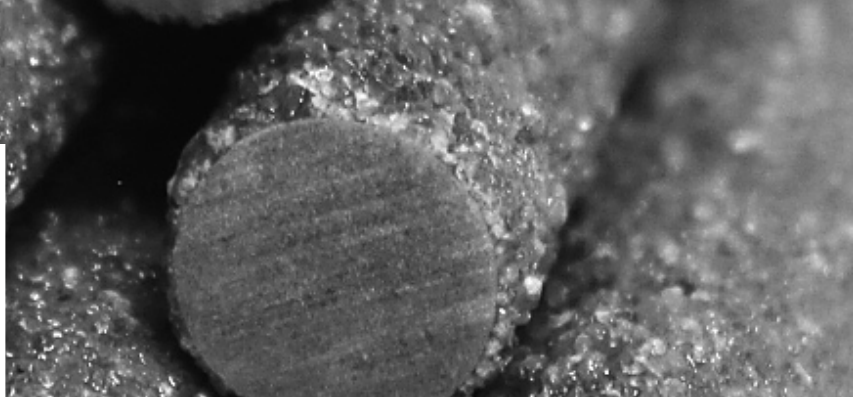




INFRASTRUCTURE SOLUTIONS



PINKBAR® FIBERGLAS™ REBAR LESS WEIGHT. MORE STRENGTH.™

PINKBAR® by Owens Corning Infrastructure Solutions (OCIS) is designed as a cost-effective, lightweight, rustproof reinforcement solution for concrete and masonry applications over traditional steel rebar.

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

STRONGER. LIGHTER. CODE-APPROVED. RUSTPROOF.

Product Advantages Compared to Steel



STRONGER

- 2x stronger in tensile strength compared to the same size diameter



LIGHTER

- Up to 7x lighter in concrete flatwork applications¹
- 4x lighter compared to the same size diameter²



RUSTPROOF

PINKBAR® will never rust, enabling more durable structures

1. #3 PINKBAR® replaces #4 steel rebar in concrete flatwork applications requiring reinforcement from shrinkage crack mitigation.
2. Compared with the same size diameter of grade 60 steel.

Code-Approved. Proven Performance.

ASTM D7957

- PINKBAR® Fiberglas™ Rebar by OCIS meets physical and mechanical requirements of ASTM D7957 material standard.
- Production lot certificates are provided upon request and purchase.

ACI 332 & ACI 440

- PINKBAR® Fiberglas™ 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 AC 454 acceptance criteria, including bond strength, tensile strength, and tensile modulus of elasticity.

*Per PINKBAR® submittal package, pending ICC-ES AC 454 evaluation.

TMS 402/602

- PINKBAR® Fiberglas™ Rebar by OCIS can be used with TMS 402/602-22 Appendix D as reinforcing for masonry walls.

Proven Crack Mitigation in Concrete Flatwork

Independent testing has proven that #3 PINKBAR® mitigates shrinkage cracks as effectively as #4 steel in poured slabs and can increase the long-term service life of flatwork due to the non-corrosive properties of fiberglass rebar.*

*Restrained Shrinkage Testing at University of Brescia, Italy, 2020.

Project Highlights

Click on the buttons below and check out longer-lasting projects delivered faster with PINKBAR®:

Pickleball Arena

Gunite Pools

Dairy Farm

Or visit www.owenscorning.com/pinkbar.

Applications

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

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

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
#2	0.25	6	0.05	32	0.05	0.07	6.76	30.08	138.0	951	2.03%	6.80	46.88
#3	0.375	10	0.11	71	0.11	0.16	15.07	67.03	137.0	945	2.01%	6.80	46.88
#4	0.500	13	0.20	129	0.18	0.27	26.90	119.66	134.5	927	1.98%	6.80	46.88
#5	0.625	16	0.31	199	0.32	0.47	40.30	179.26	130.0	896	1.91%	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® Fibreglas™ 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 (concrete applications only).
- Tying: Use same tying methods as for steel rebar. Tie wire material based on contractor preference.

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

Packaging

PINKBAR® Fibreglas™ Rebar by OCIS ships from multiple locations in the U.S. Master bundles and sub-bundles are available in standard sizes.

BAR SIZE	WEIGHT PER 20-FOOT BAR (lb)	NO. OF BARS PER MASTER BUNDLE	WEIGHT PER MASTER BUNDLE (lb)	NO. OF BARS IN A FULL TRUCK LOAD (FTL)	WEIGHT PER FTL (lb/ton)
#2	0.94	500	470	46,000	43,240/21
#3	2.14	500	1,070	20,000	42,800/20
#4	3.64	500	1,820	12,000	43,680/22
#5	6.25	250	1,563	7,250	45,327/22

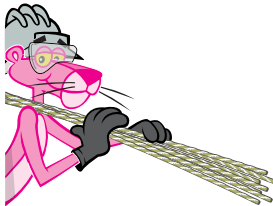
Stock bent bars are available on request.

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.

Storage

PINKBAR® Fibreglas™ 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, a protective cover is recommended to minimize these effects.



HOW WE BUILD NOW™



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CALCULATE SAVINGS IN FLATWORK

