

BENEFITS

#3 PINKBAR® FIBERGLAS™ Rebar by OCIS Replaces #4 Steel Rebar

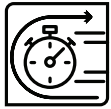
Compared to #4 steel rebar, #3 PINKBAR® has greater tensile strength and offers the same shrinkage crack mitigation you would expect at a fraction of the weight and lower cost.



7X LIGHTER



STRONGER



FASTER INSTALL



RUST FREE
MORE DURABLE



LOWER COST VS
BLACK STEEL



EASIER TO HAUL

PROJECT EXAMPLES

#3 PINKBAR® Fiberglas™ Rebar by OCIS



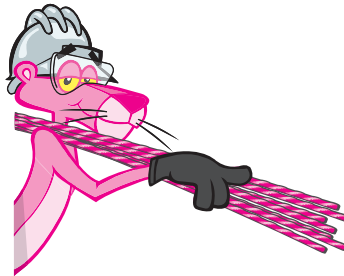
**SLAB ON METAL
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Oklahoma City, OK



**INDUSTRIAL
CONCRETE SLAB**
Bloomfield, IA



HOW WE BUILD NOW™

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**CALCULATE
SAVINGS IN
FLATWORK**



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**INFRASTRUCTURE
SOLUTIONS**

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

**Leave the rust, weight, and price uncertainty of
steel rebar behind.**

#3 PINKBAR® Fiberglas™ Rebar by Owens Corning Infrastructure Solutions (OCIS) is a superior reinforcement material for concrete flatwork applications including parking lots, sidewalks, patios, pool decks and driveways.

PROVEN PERFORMANCE

#3 PINKBAR® Fiberglass™ Rebar by OCIS is tested to meet applicable residential concrete codes for strength and performance in place of #4 Steel for shrinkage crack mitigation.

PINKBAR® meets ICC-ES AC 454 acceptance criteria

- Exceeds Guaranteed Tensile Load and Tensile Modulus, tested per ASTM D7905
 - 15.07 kip for #3 PINKBAR® compared to 12 kip for #4 Grade 60 Steel for Tensile Load
 - > 6.5 Msi required for Tensile Modulus
- Exceeds Mean Bond Strength in Concrete, tested per ASTM D7913
 - > 1100 psi required for Bond Strength

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

PINKBAR® Meets ASTM D-7957 Standards

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

Proven Crack Mitigation in 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

State Approvals

Official use approval in State of Wisconsin.

INSTALLATION

Installs like steel, just faster!



1. Lay & Space



3. Tie – You can use the same tying method as steel rebar – tie choice is based on contractor preference



5. Pour



2. Cut – Use a fine toothed saw blade, grinder, carborundum or diamond tipped blade – do not shear



4. Chair – Support chairs are suggested at two-thirds the spacing of steel rebar



6. On to the Next Job!

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