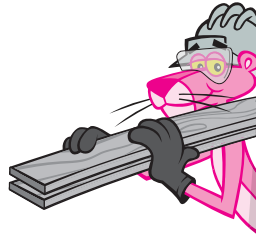
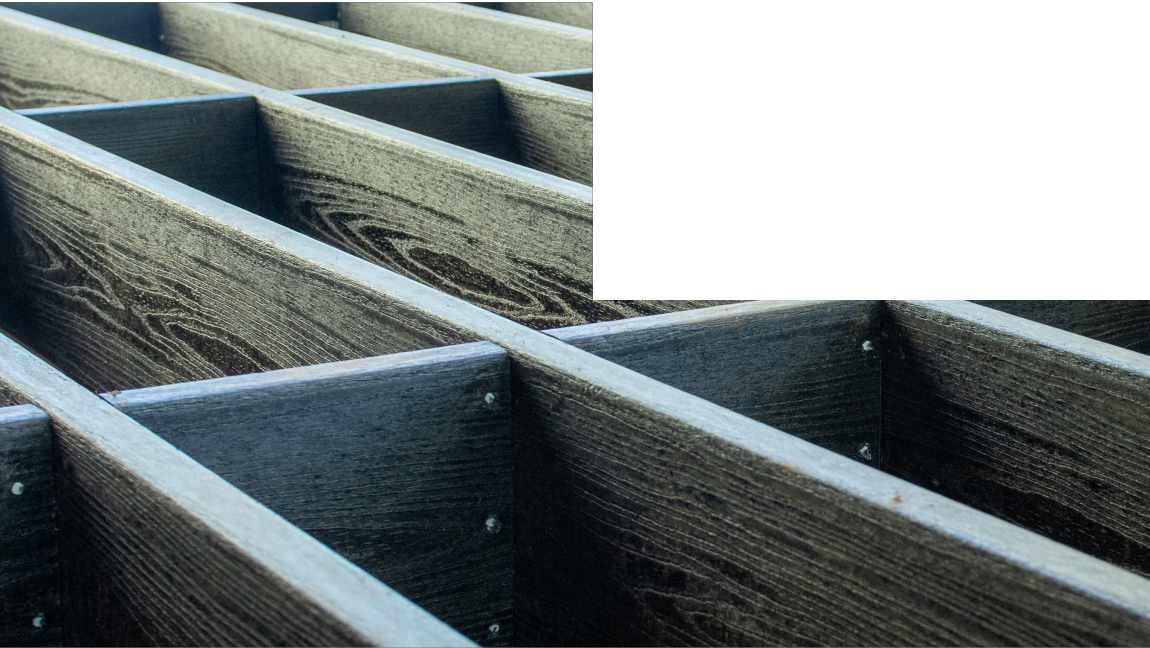




LUMBER



**ROTPROOF.
RUSTPROOF.
COMPLICATION-FREE.**



OWENS CORNING® LUMBER FOR DECK FRAMING

ROTPROOF. RUSTPROOF. COMPLICATION-FREE.

Owens Corning® Lumber is a rotproof, rustproof composite alternative to traditional wood and steel. Designed to install like the lumber you use every day¹. Made to last.

- 4 profile sizes: 2" x 4", 2" x 6", 2" x 8", and 2" x 10"
- Limited lifetime warranty - Residential
- 25-year limited warranty - Commercial

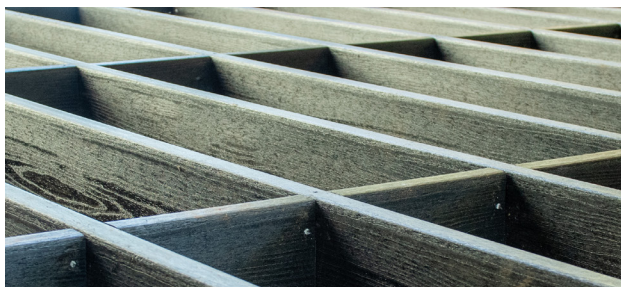
DISCOVER THE GLAS-POWERED™ DIFFERENCE



GLAS-POWERED™

Owens Corning® Lumber is reinforced with Advantex® Fiberglass™, a proprietary corrosion resistant technology that adds strength and durability properties from the inside out.

STRENGTH + DURABILITY



DESIGNED FOR DURABILITY

- Resists mold, mildew, pests, and termites
- Allows for contact with water (salt and fresh) and ground

ROTPROOF. RUSTPROOF.



THERMAL-RESISTANT DESIGN

- Designed for low expansion and contraction
- Heat-reflective technology

THERMAL EXPANSION STABILITY



EASY TO INSTALL

- Cuts and installs just like wood
- Flat and uniform boards

COMPLICATION-FREE

¹Owens Corning® Lumber is specifically designed for deck and dock framing, and is not intended for use in other applications. Not for internal use.

ATTRIBUTES	OC™ Lumber	STEEL	TRADITIONAL WOOD
GLAS-POWERED™	Advantex® Fiberglass™	×	×
Rotproof	✓	✓	×
Rustproof	✓	×	✓
Allows for water (salt & fresh) contact	✓	×	×
Heat-Reflective technology	✓	×	×

STANDARD PROFILES



2" x 4" (1.5" x 3.5")

Standard Lengths: 12', 16', 20'
Custom Lengths: Not Available
Woodgrain: Both Sides



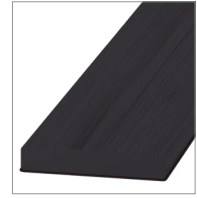
2" x 6" (1.5" x 5.5")

Standard Lengths: 12', 16', 20'
Custom Lengths: Up to 28'
Woodgrain: Both Sides



2" x 8" (1.5" x 7.5")

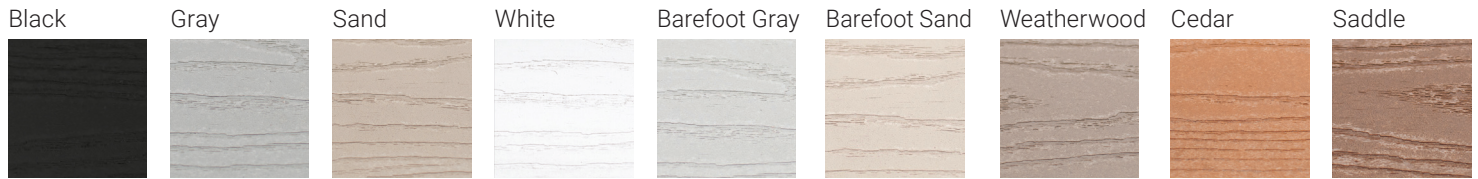
Standard Lengths: 12', 16', 20'
Custom Lengths: Not Available
Woodgrain: Both Sides



2" x 10" (1.5" x 9.25")

Standard Lengths: 12', 16', 20'
Custom Lengths: Not Available
Woodgrain: Both Sides

CHOOSE FROM BLACK + 8 COLORS



Standard colors

Special colors

All 4 standard profiles have a square-edged design. Check custom lengths and special colors availability with you Owens Corning representative. Minimum order quantity may apply. Product samples available upon request. Actual product colors may vary due to photographic lighting sources or screen settings.

STANDARD PROFILES & PACKAGING

PROFILE (IN) (ACTUAL DIM)	ACTUAL DIMENSION (IN)	LENGTH			WEIGHT	NO. OF BOARDS PER BUNDLE
		12'	16'	20'		
		WEIGHT (PER BUNDLE)				
2" x 4"	1.5" x 3.5"	1,764 lb	2,352 lb	2,940 lb	1.75 lb/ft	84
2" x 6"	1.5" x 5.5"	2,227 lb	2,970 lb	3,712 lb	2.90 lb/ft	64
2" x 8"	1.5" x 7.5"	2,016 lb	2,688 lb	3,360 lb	4.00 lb/ft	42
2" x 10"	1.5" x 9.25"	2,037 lb	2,716	3,395 lb	4.85 lb/ft	35
	PALLET WEIGHT	80 lb	120 lb	120 lb		

PROJECT GALLERY

Owens Corning® Lumber for deck framing delivers strength, durability and ease of installation:



Conch Inn Resort & Marina Marsh Harbour, Bahamas

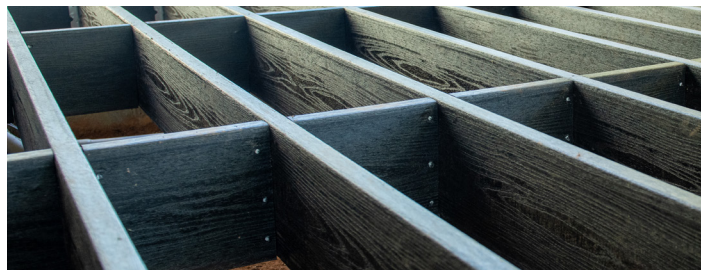
After Hurricane Dorian destroyed the marina in 2019, the Conch Inn opted for a project featuring Owen Corning® Lumber for ultimate durability, even close to salt water.



Residential Dock Lake Howard in Winter Haven, Florida

In this project, Owens Corning® Lumber was selected for its combination of design and durability. The Gray color perfectly matched the top deck material aesthetics, and the owner won't need to worry about rot or degradation over time.

Local standards and codes may vary.



Residential Deck Lake Keowee in Salem, South Carolina

Homeowner was looking for a material that wouldn't rot and need replacement overtime, but keeping the same installation process of wood. Owens Corning® Lumber was a no-brainer.



Residential Dock Lake Holden in Orlando, Florida

A family of DIYers set out to rebuild their dock, looking to try an alternative solution to conventional lumber without a learning curve. They chose Owens Corning® Lumber because it didn't require the purchase of additional tools or learning a new skill set.

SUSTAINABILITY IT ALL ADDS UP TO MAKE A DIFFERENCE

Owens Corning® Lumber helps you build structures that will last, reducing the amount of deck framing boards that will end up in the landfill.

OUR 2030 GOALS



**Reduce Greenhouse
Gas Emissions** by half



**Switch to 100%
Renewable Electricity**



Send Zero Waste to Landfill
by cutting the amount of
waste we generate in half
and recycling the rest



HOW WE BUILD NOW™

Owens Corning Composite Materials, LLC

One Owens Corning Parkway
Toledo, OH 43659 USA
325-425-8667

<https://www.owenscorning.com/oc-lumber>

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OWENS CORNING LUMBER SPAN PERFORMANCE

	SPACING	DEFLECTION (L/180)	DEFLECTION (L/240)	DEFLECTION (L/360)	DEFLECTION (L/480)	PSI
2" x 6"	12"	9.5'	8.5'	7.5'	6.5'	350,000
	16"	8.5'	8'	7'	6'	
	24"	8'	7.5'	6.5'	5.5'	
2" x 8"	12"	12'	11'	10'	9'	350,000
	16"	11.5'	10.5'	9'	8.5'	
	24"	10.5'	9.5'	8.5'	7.5'	
2" x 10"	12"	15.5'	14'	12.5'	11'	350,000
	16"	14.5'	13.5'	11.5'	10.5'	
	24"	13'	12'	10.5'	9.5'	



INFRASTRUCTURE SOLUTIONS

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

PINKBAR®+ Fiberglas™ 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® 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 diameter



RUSTPROOF

- More durable structures



ENHANCED PRO EXPERIENCE

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

¹#3 PINKBAR®+ replaces #4 steel rebar in residential applications per ICC-EER 4593: <https://icc-es.org/report-listing/>

Code-Approved and Proven Performance

MATERIAL STANDARDS

- PINKBAR®+ Fiberglas™ Rebar by OCIS complies with ASTM D7957, ASTM D8505 and CSA S807 material standards.

RESIDENTIAL CONCRETE

- PINKBAR®+ Fiberglas™ Rebar by OCIS can be used in residential concrete, including footings and foundation walls, as prescribed in ICC-EER 4593, or as designed using ACI 332 and ACI 440 design methodology.

COMMERCIAL CONCRETE

- PINKBAR®+ Fiberglas™ Rebar by OCIS can be used in commercial concrete design using concrete code ACI 440.11-22 and ICC-ESR 4593.

MASONRY

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

Intended Applications

RESIDENTIAL	COMMERCIAL/ INDUSTRIAL	TRANSPORTATION	MARINE	HIGH VOLTAGE & ELECTROMAGNETIC FIELDS
<ul style="list-style-type: none">• Driveways• Sidewalks• Pool Decks• Basement Floors• Basement Walls• Footings• Concrete Masonry• ICF Construction	<ul style="list-style-type: none">• Parking Slabs• Warehouse Floors• Agricultural Slabs• Loading Docks• Architectural Precast• Truck Aprons• Pour Back Slabs	<ul style="list-style-type: none">• Bridge Decks• Traffic Barriers• Civil Roadways• Soft-Eye for Tunnels	<ul style="list-style-type: none">• Seawalls• Piles	<ul style="list-style-type: none">• Light & Heavy Rail• MRI Rooms

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		FIBER MASS CONTENT
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	145	1003	1.86%	6.80	46	≥70
#4	0.500	13	0.20	129	0.18	0.27	24.7	110	124	852	1.82%	6.80	46	≥70
#5	0.625	16	0.31	199	0.28	0.41	34.8	155	112	774	1.5%	6.80	46	≥70
#5	0.625	16	0.31	199	0.32	0.47	41.8	186	135	930	1.5%	8.7	60	≥80
#6	0.750	19	0.44	284	0.47	0.70	57.3	255	130	898	1.5%	8.7	60	≥80
#7	0.875	22	0.60	387	0.63	0.94	78.3	348	131	900	1.5%	8.7	60	≥80
#8	1	25	0.79	510	0.82	1.2	101.9	453	129	889	1.5%	8.7	60	≥80
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)*		MEAN APPARENT HORIZONTAL SHEAR*		MEAN TRANSVERSE SHEAR STRENGTH*		BOND STRENGTH			
%	%		%		°F °C		psi MPa		ksi MPa		psi MPa			
≥80	≤0.2		<0.75		≥212 ≥100		≥6525 ≥45		≥22		≥152 ≥1102 ≥7.6			

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.

Packaging

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

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)	WEIGHT PER FTL (lb/ton)
#3	2.22	500	1110	20,000	44400/22
#4	3.63	250	907	12,000	43560/22
#5	5.64	250	1410	7500	42300/21
#5	6.45	250	1612	6750	43537/22
#6	9.38	250	2345	4500	42210/21
#7	12.58	250	3145	3250	40885/20
#8	16.38	250	4095	2500	40950/20

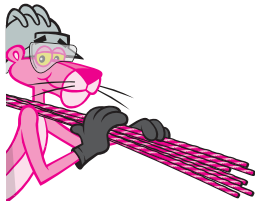
Stock bent bars are available on request.

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®+ 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™



Owens Corning Infrastructure Solutions, LLC

One Owens Corning Parkway
Toledo, OH 43659 USA
Ph: 1-855-OC-Rebar

www.owenscorning.com/pinkbar+

CALCULATE SAVINGS IN FLATWORK





INFRASTRUCTURE SOLUTIONS

PINKBAR®+ FIBERGLAS™ REBAR

Engineered to meet the performance standards you trust and expect, PINKBAR®+ Fiberglas™ Rebar by Owens Corning® Infrastructure Solutions (OCIS) is enabling Glas-Powered™ Concrete.

- Lightweight, rustproof rebar reinforcement solution for concrete
- Stronger and more durable than traditional steel rebar
- Code-approved

STRONGER. LIGHTER. RUSTPROOF.



TRUSTED PERFORMANCE

- Stronger and more durable than traditional steel rebar
- Rustproof



ENHANCED PRO EXPERIENCE

- Lighter weight helps increase productivity
- Scratch-free, heat-free handling
- High-visibility color reduces risk of on-site tripping hazards



CODE APPROVED

- Code-approved to meet ASTM D-7957 standards
- Acceptance criteria for ACI 332 and ACI 440
- ICC-ES AC 454 acceptance criteria
- Allowable for use in masonry per TMS 402/602 Appendix D

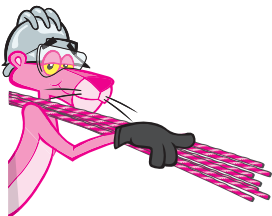
Applications

RESIDENTIAL

- Driveways
- Sidewalks
- Pool Decks
- Basement Floors
- Basement Walls
- Footings
- Concrete Masonry
- ICF Construction

COMMERCIAL/INDUSTRIAL

- Parking Slabs
- Warehouse Floors
- Agricultural Slabs
- Loading Docks
- Architectural Precast
- Truck Aprons
- Pour Back Slabs



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INFRASTRUCTURE SOLUTIONS

PINKBAR®+ FIBERGLAS™ REBAR INSTALLATION GUIDE



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

PINKBAR®+ Fiberglas™ Rebar by Owens Corning Infrastructure Solutions (OCIS) is a superior reinforcement material for concrete applications including parking lots, sidewalks, patios, pool decks, driveways, and more. It installs like steel, just faster!

Installation



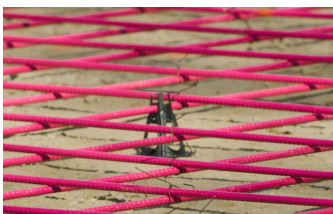
1. Lay and Space — Heat-free and scratch-free handling due to lacquer coating



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



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



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



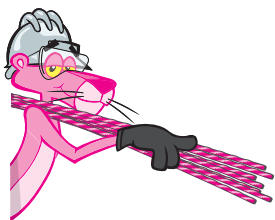
5. Pour



6. On to the Next Job!

Proven Performance

- Meets ASTM D-7957 standards
- Meets ACI 332 and ACI 440 acceptance criteria
- Meets ICC-ES AC 454 acceptance criteria
- Allowable for use in masonry per TMS 402/602 Appendix D



HOW WE BUILD NOW™



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**INFRASTRUCTURE
SOLUTIONS**

PINKBAR® FIBERGLAS™ REBAR SPEEDS UP THE PROCESS

**A CHALLENGE IN
COLLABORATION WITH
C&S CONSTRUCTION
LACEY - WASHINGTON**

CHALLENGE OVERVIEW

To build 2 identical (each 7,000 sq. ft. and 4" thick) concrete slabs:

- **Set-up:** Grid - 16" on center | 18" lap length
Sub-grade was prepped before the challenge began
- **Crew:** 4 people with 1+ year of experience in concrete construction
- **Day #1:** build the first slab using #3 steel rebar
- **Day #2:** build the second slab using #4 PINKBAR® FIBERGLAS™ Rebar

Even though #3 PINKBAR® can be used to replace #4 steel rebar in flatwork applications requiring reinforcement for shrinkage and crack mitigation, #3 steel and #4 PINKBAR®+ have been adopted for this challenge to show the absolute minimum time savings possible.

Timer: The challenge started when the first bars were carried onto the job-site and ended after the grid had been placed, tied, set on chairs, and all crew members stepped off the site.

*"If we had used **#3 PINKBAR®**, we would have installed it **50% faster** than #3 steel rebar."*

- Crew member, C&S Construction

OUTCOMES

DAY 1

**565 STICKS OF
#3 STEEL REBAR**

(the smallest size
available)



95 trips from
truck to drop



~6 sticks carried
on each trip



421 min to
complete

phew...

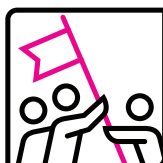
DAY 2

**565 STICKS OF
#4 PINKBAR®**

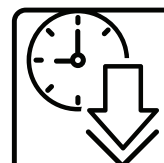
(a bigger size vs.
steel just to spice the
game up)



36 trips from
truck to drop



~16 sticks
carried on
each trip



306 min to
complete

**27%
FASTER INSTALL
VS STEEL**

**Just in time to
begin another job!**

Note: 16% more chairs were used when installing PINKBAR® versus steel rebar, due to C&S Construction preference.

HOW WE BUILD NOW™

Productivity Challenge | PINKBAR® | January 2023

C&S Construction saved

~30%

installation time

What would you do in your business with 30% more time?

- ☐ Increase the number of jobs delivered per week
- ☐ Deliver more than 1 job at once by splitting my crew into 2 or more
- ☐ Reorganize my staff to save on labor
- ☐ Give my crew a break once in a while
- ☐ What else: _____

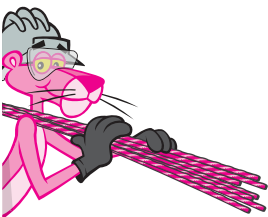
PINKBAR IS 2X STRONGER THAN STEEL, THEREFORE:

- **#3 PINKBAR® can be used to replace #3 steel rebar** in residential and commercial applications
- **#3 PINKBAR® can be used to replace #4 steel rebar** in flatwork applications requiring reinforcement for shrinkage crack mitigation

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

ENABLING YOU TO DELIVER JOBS **FAST AND COST-EFFECTIVELY.**

CHALLENGE GALLERY



HOW WE BUILD NOW™



INFRASTRUCTURE SOLUTIONS

Owens Corning Infrastructure Solutions, LLC

One Owens Corning Parkway

Toledo, OH 43659 USA

Ph: 1-855-OC-Rebar

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SAVINGS IN
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Pub number: 10025970. PINKBAR® Speeds Up the Process. January 2023. English.

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