

GALVABAR®



Proven Protection Through Innovative Processing

GalvaBar® is a proven solution for corrosion resistance, drawing on innovative processing capabilities at CMC's GalvaBar facility in Catoosa, Oklahoma.

By taking a modern approach to a centuries-old process, we're able to more efficiently and seamlessly galvanize rebar and steel products utilizing our proven continuous hot-dip galvanizing operation.

Our streamlined galvanizing process bonds steel products with a pure zinc alloy coating that provides time-tested protection for steel in potentially corrosive environments. This coating provides corrosion protection to the steel without sacrificing flexibility or durability – in fact, anyone can fabricate it without needing any special tools or fabricating equipment!

Composition

GalvaBar features a minimum 50 micron pure zinc coating that bonds to the steel product, providing the corrosion protection required for the project.

Design Benefits

GalvaBar is suitable as a replacement for ASTM A767 Zinc-coated (Galvanized) Steel Bars for Concrete Reinforcement. If you'd like to specify GalvaBar ASTM A1094 as a substitute, ask your CMC sales representative for additional details and resources!

Performance

GalvaBar has excellent fabrication performance, both in the field and at rebar fabrication facilities. After galvanizing, GalvaBar can be fabricated without the need of specialized equipment, and without fear of flaking or peeling.

You can even engineer GalvaBar like rebar, with bend diameters and splice/lap lengths consistent with ASTM A615, A706, A996 and A1035.

Numerous Federal Highway Association and university-funded independent research supports GalvaBar and ASTM A1094 for corrosion protection.



BENEFITS

1

Replacement for
ASTM A767

2

Design and fabricate
like "black" bar

3

Readily available
nationwide

4

Proven protection

FOR MORE INFORMATION:

website:

www.cmc.com/galvabar

email:

galvabar@cmc.com

or contact:

your local CMC sales representative

GALVABAR®

Grades and Specifications

GalvaBar is available in ASTM A706, A615, A996 and A1035 in lengths up to 60' +, in all grades (60-100) without fear of embrittlement.

Bar Size	Diameter (in)	Diameter (mm)
#3	0.375	9.525
#4	0.500	12.700
#5	0.625	15.875
#6	0.750	19.050
#7	0.875	22.225
#8	1.000	25.400
#9	1.128	28.651
#10	1.250	31.750
#11	1.375	34.925
#14	1.75	44.450
#18	2.250	57.150

Construction Applications

GalvaBar can be used for corrosion resistant reinforced concrete construction in several forms, including but not limited to:

- Architectural Building Features
- Balconies
- Bridge Decks
- Cast-In-Place Concrete
- Critical Infrastructure
- Coastal Structures
- Corrosive Environments
- Dowels and Tie Bars
- Elevated Podium Slabs
- Energy Structures
- Foundations
- Masonry Construction
- Parking Garages
- Precast Concrete
- Piers and Docks
- Resilient Construction
- Shotcrete Structures
- Transportation Sectors
- Waste/Water Treatment



GalvaBar's Freight Advantage

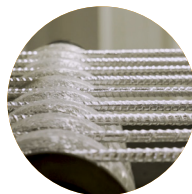
Our specialized processing capabilities allow us to focus on reinforcement, and our dedicated people will work to deliver orders to the job site faster than A767 galvanizing processes – saving time, freight, money and energy!

- GalvaBar provides a streamlined process that doesn't require tying up multiple trucks and trailers moving product back and forth between the galvanizer and fabrication facility, saving cost. It also alleviates the potential for hidden costs associated with things like lost pieces, missing tags and bundles re-loaded on the wrong trailers.
- Omissions and errors to orders are quicker and cheaper to correct when using GalvaBar for your project, since it is inventoried and readily available just like conventional rebar.
- GalvaBar will free up your schedulers, shop personnel and project managers, so you can focus on building your business and servicing your customers.



Availability

GalvaBar is stocked and readily available with quick turnaround times on orders. Our process minimizes downtime, eliminates the need for retagging/ repackaging and allows orders to deliver in days, rather than weeks.



GalvaBar® Process

Our innovative continuous galvanizing process is highly automated and streamlined, and results in significant cost and time efficiencies, meaning we can turn orders around quickly.



Epoxy Coating

GalvaBar can be epoxy coated, in adherence to ASTM A1055/A1055M Zinc and Epoxy Dual-Coated Steel Reinforcing Bars and is perfect for more extreme environments.



it's what's **inside** that counts

We're Commercial Metals Company – CMC, for short. You'll find our steel in sports stadiums and public buildings as well as highways, bridges, railways and other structures nearly everywhere on the planet.

To serve this global market, CMC maintains facilities across the United States, Europe and Asia. These sites include everything from local recycling centers, steel mini-mills and micro-mills to large-scale fabrication centers, heat-treating facilities and other metals-related operations.