

Frequently Asked Questions

Q: What is GalvaBar?

A: GalvaBar is a Continuously Galvanized Rebar (CGR) process where properly cleaned rebar is in the molten zinc for only a few seconds and the coating is pure zinc except for a very thin alloy layer at the interface between the zinc and the steel. The coating not only is very adherent and impact resistant, but also is very formable and withstands all post coating forming operations without cracking or peeling. While the Continuous Hot Dip Galvanizing steel sheet process has been used for over 8 decades to produce galvanized steel sheet and wire products, it is a recent development for rebar.

Q: Is there a specification for GalvaBar?

A: YES. ASTM A1094 / A1094M Continuous Hot-Dip Galvanized Steel Bars for Concrete Reinforcement and **A1055/A1055M Zinc and Epoxy Dual-Coated Steel Reinforcing Bars.**

Q: Where can I get GalvaBar?

A: GalvaBar is available in two ways: you can have your supplier ship direct to the nearest GalvaBar plant or purchase the already processed GalvaBar from our distribution partners. Please email galvabar@cmc.com for directions or questions.

Q: How much more weight should I expect to be billed for galvanized zinc pick up?

A: GalvaBar is charged on the theoretical black weight of the rebar we process so you will not incur any additional charges for zinc pickup or environmental fees.

Q: What lengths can you galvanize?

A: We typically process GalvaBar continuously in 20', 40' or 60' lengths depending on your requirements. We can also process any straight length a steel mill can produce from 20' to over 64'+.

Q: Why would I need material over 40'?

A: 60' material or job specific mill lengths can provide you with better control of your yield loss for bars over 40' on your project. Job specific mill lengths under 40' can accomplish the same goal on larger projects.





Q: What is your lead time?

A: We can process a truckload of GalvaBar in a few hours so lead time will typically depend on how fast you can get us the black bar to process. With our distribution partners we have many sizes of GalvaBar in warehouse points around the country for just in time shipping.

Q: How much will it cost?

A: GalvaBar is very competitive with Epoxy Coated Rebar and significantly less expensive than non-ferrous, high strength semi-stainless, fiberglass and stainless rebar. GalvaBar has the lowest cost of ownership over the life of a structure.

Q: How long will GalvaBar last?

A: GalvaBar will last as long as a traditionally Hot-Dip galvanized rebar.

Q: Will GalvaBar crack, peel or flake on a tight bend? Do I need protective rolls on my equipment?

A: No, GalvaBar does not crack even on the tightest bends. Consult ASTM A615, A706, or A996 for proper bend diameters. You will not need any special equipment for fabricating, just bend it like black bar!

Q: Won't I have a lot more drop to factor into my pricing?

A: By using the different length options available to fabricate, there should only be a slight increase in your yield factor. Because GalvaBar can be designed like uncoated rebar, you will use less steel than Epoxy Coated Rebar or Stainless rebar.

Q: Should I be concerned about embrittlement?

A: No. Even higher-strength reinforcement is not impacted by the GalvaBar process. There will be no effect on mechanical properties of the rebar. We can process any grade of steel produced to ASTM A615, A706, or A996.

Q: We don't quote many galvanized projects. Is there a need?

A: One great advantage of GalvaBar is that it opens up new markets to rebar fabricators providing opportunities for higher margin business. The fabricator can control the flow of material through the shop without special equipment or wear and tear on machinery. Fewer logistics, shorter lead times, controlled labor and the ability to adjust on the fly—with GalvaBar you can expand your market by becoming more competitive quoting these projects.

Q: How does it help me in my shop?

A: GalvaBar is very clean to work with since it does not crack or peel or have any mill scale. This will keep your machines operating efficiently and you'll have less time cleaning up than before.

Q: Can Epoxy be applied to GalvaBar?

A: Yes, ASTM A1055/A1055M Zinc and Epoxy Dual-Coated Steel Reinforcing Bars. This product is perfect for extreme environments and still very competitive with all Stainless Steel grade rebar. Make sure to notate on your purchase order the intent to "Dual Coat" the material. This helps in coordination of the process.

Q: Is galvanized reinforcement suitable for use in lightweight precast or tilt-up construction?

A: Absolutely. Where the cover is intentionally reduced and/or thin elements may crack, the corrosion protection afforded by the zinc coating ensures that the reinforcement does not prematurely corrode.

Q: Do you offer accredited lunch and learn seminars?

A: Yes, we do! Contact galvabar@cmc.com

Q: Can you build a plant in my area?

A: Yes, we can. 918-379-0090.

GALVABAR™

GalvaBar

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GalvaBar is owned and manufactured by Commercial Metals Company.



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