

# Tech Talk Q&A

**There's no special prep  
required before sending your  
steel to the galvanizer.**

**By Professor Zinc**

**Q: "Is there any special surface prep  
required for steel before it's sent to a  
galvanizing plant?"**

A. There is no special surface preparation required for hot dip galvanizing under ASTM specifications, but some things that cause problems during galvanizing should be removed or cleaned off before your steel is sent to the plant. This includes:

- Weld slag and other welding flux residues
- Weld splatter and anti-splatter
- Burrs (could include excessively rough edges from flame cutting)
- Very heavy or extremely adherent mill scale
- Mill coatings such as varnishes or lacquers present on some types of pipe
- Epoxies, types of vinyl, and asphalt
- Sand and other impurities on castings
- Oil-based paints and markers
- Crayon markers
- Very heavy or thick deposits of wax or grease

In the absence of these problems, no surface preparation is required on the customer's part. Galvan Industries includes the normal preparation of steel or iron as part of the galvanizing process.

## Hot Dip News Fall 2020

After we inspect the steel to ensure it has adequate vent and drain holes, we dip it into a series of cleaning chemicals.

The first chemical is a degreasing bath that removes organic contaminants such as dirt, grease, and oil from the metal. The next chemical used is pickling acid, which removes mill scale and rust (oxides) from the steel.

The last step before galvanizing is dipping the steel or iron into a flux bath, which prevents oxidation of the metal prior to entering the galvanizing bath and also aids the reaction developing the hot-dip galvanized coating.

Thanks for the great question. We hope you find this answer helpful.

**Contact Galvan Industries, Inc.**  
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**Galvan Industries, Inc.**  
**Hot Dip News**

### Inside:

- *Blast & Cut Service*
- *Galvanized Dunnage Holders*
- *Meet De Gadsden*



**SAVE MONEY, CREATE OPPORTUNITY  
WITH GALVAN'S RAIL CAPABILITIES**

**Galvan is the only galvanizer in the Carolinas offering railcar loading and unloading capabilities, plus blasting, cutting, 35 acres of storage, and other value-added services that can boost your profits.**

We're more than just a galvanizer. We're a full-service partner in your steel business. Our rail capabilities **reduce shipping costs** substantially on pieces 60 feet or more in length or traveling more than 300 miles. They also create opportunities to **increase your profits** with mill-direct shipping to our plant. There, we can blast clean your steel, cut it to any length, drill it as needed, hold it on our 35 acre storage yard, galvanize it to ASTM specs, and ship it for you to one job site or multiple locations by truck or rail. **We can help you service an entire project direct from the mill. Want a galvanizer that thinks beyond the kettle? Call Galvan Industries today.**

[Fall 2020]

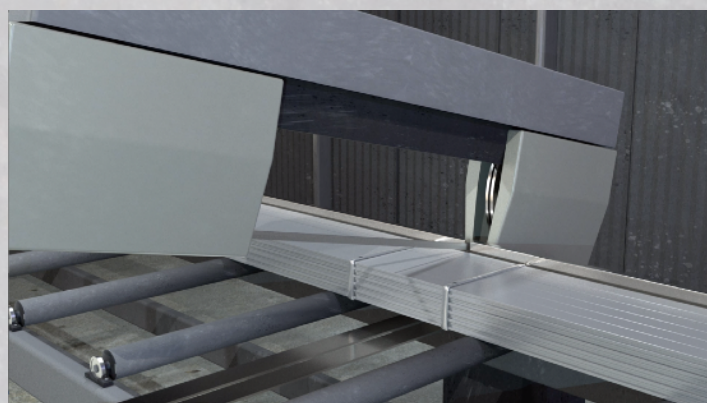
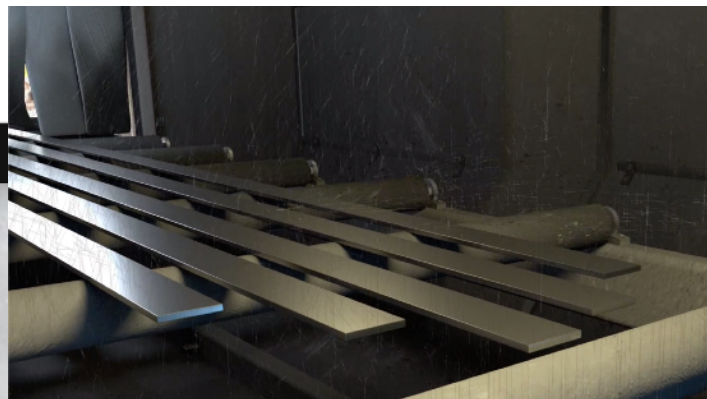




# Galvan Blast & Cut



GALVAN INDUSTRIES, INC.



## Learn About Galvan's Blast & Cut Service with New Video

At Galvan, we've built a reputation on providing "value added" service for our galvanizing customers. Our "blast and cut" service is great example. Blast and Cut saves you time and money.

Send us your steel, straight from the mill. Our computer-controlled shot blasting process will produce a smooth clean surface – SSPC 6 or SSPC 10 – usually on the first pass.

We apply a water miscible corrosion inhibitor for rust free storage. After this step, we re-bundle your steel. Then, we cut it to length so that it is ready for the next step in your process.

We can make minor modifications like drilling, too. We'll even pick up and deliver for you on our trucks.

Find out more. Watch the video at [www.galvan-ize.com](http://www.galvan-ize.com). Call Galvan Industries at 704-455-5102 or email [sales@galvan-ize.com](mailto:sales@galvan-ize.com).



### OEM PRODUCTS:

## Rust-Proof Dunnage Holders Go The Extra Mile for Carriers

Dunnage holders are used in securing freight bracing beams on a flatbed truck or trailer. The ones shown above have a vertically oriented stake member for insertion into a stake hole of the flatbed and horizontally oriented pocket arm to hold a load bracing beam extending across the width of the vehicle to an identical unit on the other side.

It is an ingeniously simple design that takes advantage of standardized truck and trailer construction. What makes it even smarter is that it is **rust-free for life**. Continually exposed to the weather and road salts, these hard-working little devices could become damaged or rusted into place if not for the low-cost 40-year-plus corrosion prevention of hot dip galvanizing by Galvan Industries, Inc.

**And call Galvan today to make your product or project "rust-free for life."**

### EMPLOYEE SPOTLIGHT:

## De Gadsden, Senior Accountant/ Purchasing



De Gadsden joined Galvan Industries seven years ago, bringing a decade of successful experience and a strong educational background to Galvan's accounting team.

Prior to joining Galvan in 2013, De held accounting positions at Diamond Springs Water, Stabilus, Inc. and Goodwill Industries, all in the Charlotte area. He has both a B.S. and an M.B.A. in Business Administration.

De's work at Galvan includes approving and setting up new customer accounts, accounts receivables, collections, general accounting, inventory/bank reconciliation and purchasing. While his long list of duties means there is always plenty of work, the month-end close makes the end and beginning of each month even more busy for De.

Much of De's work is "behind the scenes", where Galvan's customers are concerned, but he is always friendly, courteous and professional in customer contacts. Galvan employees describe De as a true team player.

"At Galvan, our focus is always on the customer," says Galvan president Laurens Willard. "De's positive attitude and experience enhance our ability to meet our customers' needs."

Away from the office, De enjoys cooking and spending time with his wife and three children.



***We're your galvanizer for every need. Call Galvan today to learn more about how we can enhance your next project or new product.***