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**ENGINEERING STEEL**  
**PERFORMANCE**

# CAPABILITIES



Coil-Coater & Coatings Developer

## General Line Specifications

STRIP WIDTH	20" to 72"
STRIP THICKNESS	0.01" to 0.129"
ENTRY & EXIT COILS	Maximum weight 72,000 lbs Coil O.D. 34" minimum to 84" maximum Coil I.D. 20" or 24"

We process steel, aluminum, and other specialty metals.

# COATING & SERVICES



## COATING, RECLAMATION, AND CUSTOM COATING DEVELOPMENT

### InterCoat® ChemGuard

A patented family of corrosion-inhibiting coatings for galvanized substrates that greatly extends substrate life and enhances secondary processing.

### Dry Film Lubricants

A dry-to-touch, temporary film for deep draw stamping that protects both the tooling and part's surface. Easily removable with an alkaline cleaner after forming.

### Acrylics and Chemtreatments

We apply numerous industry standard coatings from our chemical and coating supplier partners.

### Coil Cleaning, Reclamation, and Rework

Our cleaning process features two 30-foot cleaning tanks, followed by dual rinses. We also offer a reclamation process which utilizes a variety of brushes for mild to aggressive cleaning for every substrate. After cleaning, we can apply our various coatings or oil to breathe new life into coils.

### Surface Preparation Coatings

Substrate preparation for post-painting and adhesive applications, including downstream automotive processing.





**NEED A COATING TO ATTACK  
A SPECIFIC CHALLENGE?**

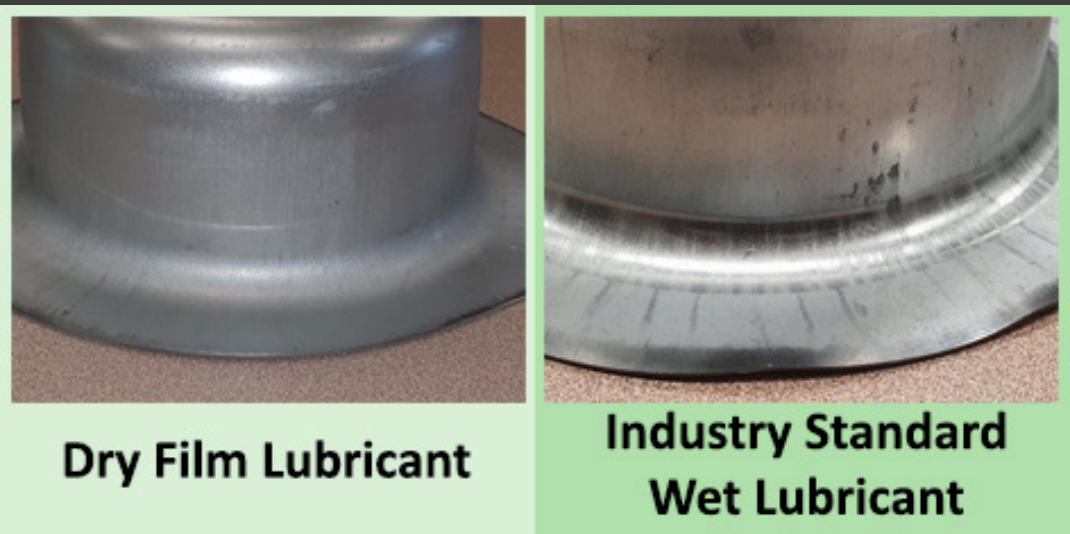
INNOVATION  
**INNOVATION**

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Innovation and product development are ingrained in our company culture. We work daily to engineer products that help our customers increase the performance of their metal products. **We have a fully-staffed lab to develop, test and validate a wide range of performance requirements.** Our team of experts will work directly with you to create custom solutions to overcome unique product and processing challenges.

**Chemcoaters offers over 150 years of collective experience in the steel industry, with nearly a quarter of our staff supporting the R&D team. We challenge ourselves to make a difference, one innovative product at a time.**

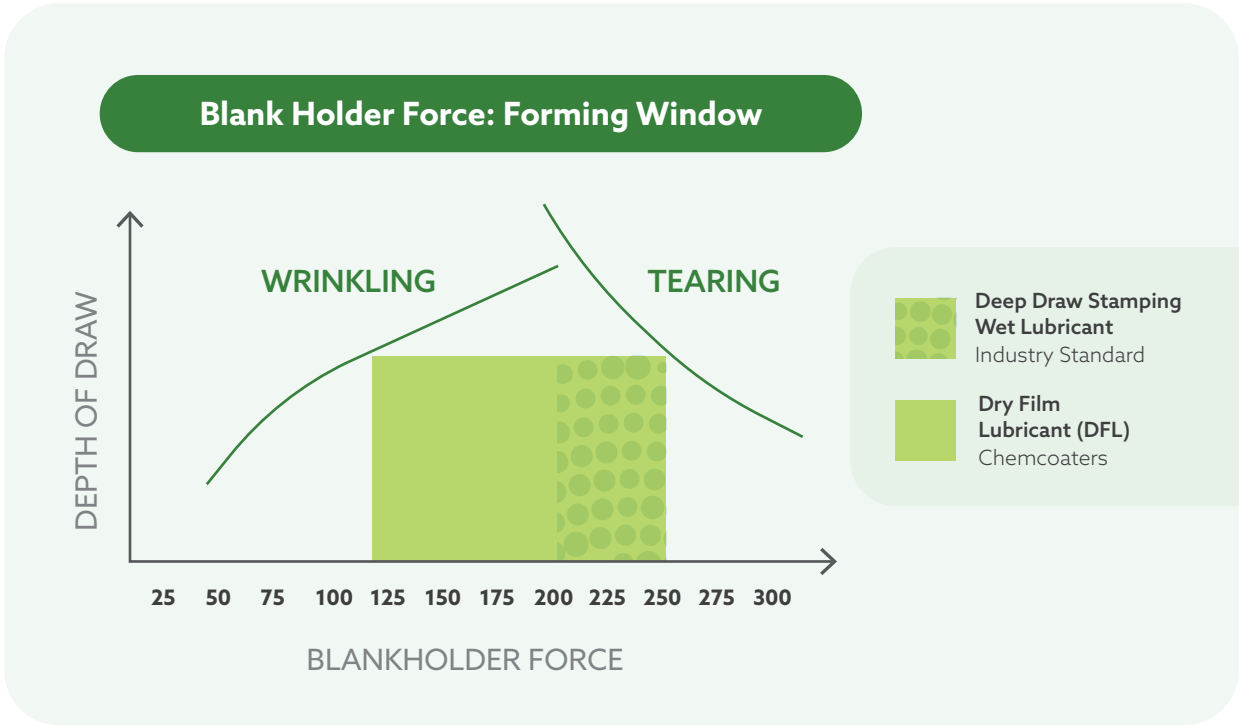
# DRY FILM LUBRICANTS



CHEMCOATERS SPECIALIZES IN  
the application of dry film lubricants (DFLs) for the stamping industry.

DFLs are a dry-to-touch, acrylic film that allow for deep draw stamping without the need for any added oil. When stamping is complete, the coating is easily washed off with an alkaline or solvent cleaner. DFLs have an ultra-low coefficient of friction and protect both the tooling and part itself, creating cost savings from increased campaign efficiency and reduced scrap and downtime.

As seen in the graph below, the use of a dry film lubricant from Chemcoaters can increase the forming success window- all resulting in more savings for your bottom line.



We offer several DFLs based on customer needs. Contact us to select which offering best fits your process!



Automotive



Truck/Trailer



Appliances



Consumer Durables



Lawn & Garden



# INTERCOAT® CHEMGUARD

InterCoat® ChemGuard is a Chemcoaters' patented family of corrosion-inhibiting coatings for galvanized substrates and is unlike any other coating on the market. It is RoHS compliant and offers self-healing properties, adhesion-promotion, and formability on top of stellar corrosion performance.

InterCoat® ChemGuard works by reacting with zinc at the surface of galvanized substrates, creating a new interface that is highly resistant to corrosion. When punched, perforated, cut, or otherwise abused, it has an InterReactive® layer that reacts with newly exposed zinc, further protecting your substrate and elongating product life.

Not only does it enhance zinc performance, but customers can source lower zinc weight galvanized substrates, such as a HDG G30, and get equivalent performance to heavy zinc coatings, like HDG G235!

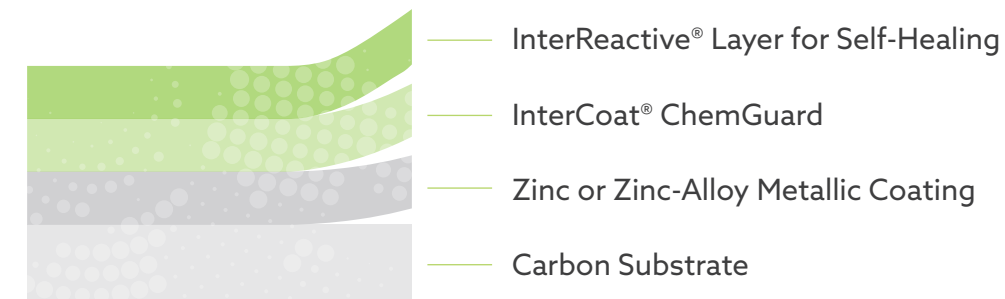
## INTERCOAT® CHEMGUARD PROTECTS THROUGH

CUT EDGES • STAMPING AND DRY FORMING • PERFORATING • WELDING  
ABRASION • BODY IN WHITE • PAINTING • COLD REDUCTION • TINTING

Find more testing on our website at [www.chemcoaters.com](http://www.chemcoaters.com) and check out our Solutions Finder to find which ChemGuard formulation best fits your needs at [chemcoaters.com/solutions-finder](http://chemcoaters.com/solutions-finder)



## Cross-Section Diagram of InterReactive® Coating as Applied to Any Zinc or Zinc-Iron Alloy Metallic Coated Substrate (EG, HDG, GNNL, ZAM®)



### Deep Draw Cups Exposed to ASTM B117 Neutral Salt Spray Testing

Leading Supplier's Deep-Draw Wet Lube



336 hours



840 hours

ChemCoaters' InterCoat® ChemGuard



336 hours



840 hours

ASTM B117 Salt Spray Results- 1500 Hours  
HDG G235 with Hexavalent Chemtreat  
**vs.**  
HDG G30 with InterCoat® ChemGuard 315L



HDG G-235 + Cr-VI Chemtreat  
(RoHS/Prop 65 Restricted)



HDG G30 + CG315L  
(RoHS Compliant)

## Use InterCoat® ChemGuard for



Automotive



Truck/Trailer



Construction



Packaging



Solar