



[www.colsafety.com](http://www.colsafety.com)  
(800) 969-5035  
[info@colsafety.com](mailto:info@colsafety.com)

# COLD GALV 101

## WHAT IS COLD GALVANIZING COMPOUND?

Cold galvanizing compound is a single-component zinc coating used to protect bare steel from rust and corrosion. Although it is applied like paint, it is not. It gives the same protection as hot dip galvanizing.

## HOW DOES COLD GALVANIZING WORK?

Cold galvanizing compound acts as an active coupling to the steel parent metal to form an electrolytic bond. In the presence of an electrolyte (moisture), zinc dust in cold galv will sacrifice itself to protect the steel.

## WHAT SURFACE PREPARATION IS REQUIRED BEFORE APPLYING COLD GALV COMPOUND?

The surface must be clean, dry steel. Use a steel brush to remove any existing rust on the surface for the entire area that will be covered in cold galvanizing compound. Also, remove any chemicals, dirt, grease, oil, silicon, etc. from the surface before applying cold galv.

## HOW DO I APPLY COLD GALVANIZING COMPOUND?

Cold galv can be painted on using traditional brushes, rolled, and even sprayed using a thinner. Aerosol coatings are also available. We recommend a disposable brush like the 3" chip brush.

## WHAT DO THE DIFFERENT PERCENTAGES OF ZINC CONTENT OFFER?

The higher the zinc content, the higher protection against the elements from rust and corrosion. The zinc bonds to the steel to form the protective layer, and the higher the zinc content, the better the coverage and protection.

## IF IT'S VERY COLD OR VERY HUMID, CAN I STILL APPLY COLD GALV?

Most likely. Be sure to review the conditions for your particular brand of cold galv, but most of the compounds can be applied in a wide variety of weather conditions. Humidity can even intensify the cathodic action and acceleration of the protective formation.

## CAN COLD GALVANIZING COMPOUND BE SHIPPED NEXT DAY AIR?

Unfortunately not. Cold galvanizing compound can only be sent via ground or LTL. It is not allowed in the air system due to its category 3 classification for flammable liquids.

