

# EpoxxiShield™ COR Elite Coating vs. Hot Dip Galvanized Coating

## 2,000-HOUR SALT FOG EXPOSURE TEST

### METHODOLOGY

We tested a variety of epoxy coatings, but the main event was a steel sample with EpoxxiShield™ COR Elite versus a sample coated in HDG. An independent testing laboratory then put them through 2,000 continuous hours of salt fog.

“The salt fog is one of the most aggressive tests and exposures that we run,” said the testing facility’s project manager/coating application specialist. It involves a concentrated salt fog sprayed into the chamber 24/7. Constant salt fog is for surfaces that will face the most corrosive environments.



**HDG** **Hot-Dip Galvanized**

The HDG sample showed both general rust (3% to 10%) and pinpoint rust (1% to 3%) after the test.



**EpoxxiShield™ COR Elite**

The EpoxxiShield™ COR Elite sample had negligible corrosion (0.01% or less).

## CONCLUSION

As shown, the galvanized member showed significant white and red corrosion throughout the entire sample. This is a stark visual reminder that galvanization only slows the corrosion process, while the EpoxxiShield™ COR products

showed no rust proving they are the ultimate defense against corrosion. EpoxxiShield™ can provide long-term protection for your building frames.



**LEGACY PAINT BOOTH**



**DISCLAIMER:** The intent of this demonstration is not to suggest the performed spray fog is equivalent to any real life condition or life expectancy, but to demonstrate the performance of coatings when subjected to a caustic condition. Performance of coatings will vary per actual exposed condition. Only EpoxxiShield™ COR or HDG coated products are intended to be used in caustic/corrosive environments.