



A NuWave Solutions Company

Recommended Topcoat Materials

When using our products, a key determinant of its success is the surface preparation of the base steel. For Galv-Match-Plus™ & Prime-Zinc-Plus™, the two areas of most concern for surface preparation are making sure that the steel is free of dirt, grease, oils, and scaled rust. To address these issues, we recommend following the SSPC standards for surface preparation in these areas:

SSPC-SP1 solvent cleaning for removing grease and oils;
and

SSPC-SP2 hand tool cleaning for removing loose mill scale, rust, and paint.

Contact the SSPC at (877) 281-7772 if you need more information regarding these standards and be sure to check out our SURFACE PREP for more guidance.

Top Coating Methods:

Both Galv-Math-Plus™ and Prime-Zinc-Plus™ can be used as a standalone system to combat corrosion. However, they may be top-coated for aesthetic appearance or for increased corrosion protection. The following are our general recommendations for topcoat selection. It is critical to ensure that the topcoat chosen has been formulated for use in your service environment and for use with zinc-rich coatings. In all cases, contact the topcoat manufacturer for environmental and compatibility data and apply the coating strictly in accordance with the manufacturer's printed instruction sheets.

Correct topcoat materials recommended include:

Acrylics 100% / Silicones / Polyurethanes / Latexes / Powder Coatings / Enamels / Chlorinated Rubber

Topcoats NOT recommended for use (DO NOT USE ALKYDS OR LACQUERS)!!!

Lacquers / Alkyds / Oil-Based / Coal-Tar Epoxies / 2-part Epoxies / Enamels less than 100% / Vinyl's

Alkyds, contain a "Tall Oil" which reacts with the salt formed when zinc corrodes and leads to blistering and peeling. Actually, the reaction is called "Saponification", that is, a zinc soap is formed leaving nothing for the topcoat to stick to.

Lacquer paints, such as those used for expensive automobile restoration, have extremely strong solvents which can soften the binder, making it easy to remove. Please remember that Prime-Zinc-Plus™ is 95% pure zinc and has only 5% binder holding it together. Continued ...



Saint Clair Shores Michigan

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Clearing Aerosol Nozzles (very important):

The primary cause of clogged aerosol cans is due to failing to clear the nozzle after use. Failing to clear the nozzle will allow the zinc dust to settle in the valve stem causing it to clog. Therefore, to avoid this problem, be sure to clear the nozzle after each use by turning the can upside down and spraying 2-3 seconds until the can sprays clear. This indicates that all zinc dust has been evacuated from the valve stem and will eliminate any can clogging problems you have. If you have any existing cans that are clogged, then remove the existing nozzle and replace it with the nozzle from a new can and you should be able to spray out the remaining paint in the can.

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