

V & S Colorzinc® galvanizing and coating operations are all enclosed inside the same environmentally controlled facility. After galvanizing, the material is transported directly into the coating room.

The galvanized surfaces are prepared using the most current ASTM method D 6386-99 as described under Section 5.4.1. The method of lightly sweep abrading the zinc surface immediately before applying the primer removes even minuet amounts of oxides that have formed. We use a proprietary media that complies with the D 6386-99 guidelines. Our light sweep abrade at low pressure cleans the surface and provides a profile of 1.0 to 1.5 mills anchor pattern. Immediately material is transported via our automated over head rail system into the Primer booth. These steps will commence within a 24 hour window to further insure surface preparation integrity. This positive action approach to surface preparation eliminates any variables associated with a time sensitive surface preparation method.

Coatings are applied at a film thickness **International Paint** recommends. The epoxy prime coat of **Intercure 420 Epoxy Primer** will be applied at 5 – 6 mils DFT followed by a finish urethane coat of **Interthane 990HS** applied at 2-3 mils DFT. When applied to 4 mils of hot dip zinc, a total system thickness of 11 – 13 mils will be achieved. All coats will be cured by heating in our enclosed paint facility to promote maximum performance of the system. Our controlled heat curing process eliminates the variables normally associated with relying on existing ambient drying conditions.

International Paint is our proposed paint system and is not only equal to the other listed paint systems in performance but in many ways superior. International Paint is a division of the Akzo Nobel Corp. who is a global leader in innovative high performance coatings. All proposed coatings are well below the 3.5 lb./gallon V.O.C. limit. The most important feature of our coating system is the **Intercure 420®** Micaceous Iron Oxide prime coat. With MIO plating effect, we have achieved superior barrier protection and adhesion to hot dip galvanize compared to conventional epoxy primers.

The **Interthane 990HS** ® Urethane Finish is listed on the current N.E.P.C.O.A.T approved listing and is used to protect many of the projects painted by area State