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Advantages of Cold Galvanizing over Hot Dip Galvanize

Clearco Zinc Rich Primers exhibit several advantages over conventional hot-dip galvanizing techniques, as follow:

1. **On-Site Application:** the hot-dip process involves large tanks of molten zinc, which require the customer to ship their metal parts to the galvanizer where they wait in line with other jobs. Once dipped, the parts are shipped back. Clearco Zinc Rich Primers, on the other hand it can be easily applied like a paint by spray, brush or roller by anyone, anywhere on their own schedule. In the plant, on the jobsite, there is no limitation on ZRP's use and no large shipping bills!
2. **Cold Application:** the hot-dip galvanizing process is done at 850F. This high temperature can warp and embrittle thin gauge metals. Clearco Zinc Rich Primer is applied at ambient temperature with no heat! No warping ensures a good fit of parts during erection, and no breakage.
3. **More Flexible Film:** Hot-dip galvanizing, being a fused metal coating is very hard. This can be very useful in some applications. However, the flip side of the coin is that this hardness also equates to poor bend resistance. If you were to bend or impact a galvanized steel item, chances are greater that the zinc coating will chip and break off, exposing the underlying steel to corrosive attack. Steel that is coated with Zinc Rich Primer can be bent and impacted with absolutely no damage to the zinc surface even when bent over 180 degrees. What does this mean to you? If your fabricated item needs to be adjusted for fit at the jobsite (bent), Clearco Zinc Rich Primers offer the best chance for coating success, thereby reducing expensive downtime that could occur should you need to order new hot dip galvanized items to replace the broken ones.
4. **No Additional Preparation needed to Topcoat:** In order to topcoat a hot-dip galvanizing plant, you must first spend some considerable time preparing the zinc surface to accept the topcoat. With Clearco Zinc Rich Primer, you apply the topcoat directly over the zinc-coated surface without any additional preparation. **Saves you time and money!**
5. **Control over quality:** When you ship your metal items to a galvanizing plant, you have no control over the quality of your zinc coating. IN comparison, when you apply Clearco Zinc Rich Primer in your own plant or on your jobsite, you completely control the quality of the zinc-coating application.