GUIDE

Using ZRC in Immersion Service

1. Determine ZRC compatibility with immersion liquid.

2. If compatibility is acceptable, sandblast surface to Near-White Profile. [SSPC SP-11]

3. Immediately apply ZRC using two coats to attain a minimum dry film of thickness of 3 mils, leaving 12 hours minimum dry time (1 week max.) between coats.

   PLEASE NOTE: RECOATING TOO SOON MAY RESULT IN PREMATURE FAILURE DUE TO SOLVENT ENTRAPMENT IN FIRST COAT.

4. Allow fully coated surface to dry/cure for 14 days at 77°F (25°C) before subjecting to immersion service.

   PLEASE NOTE: 14 DAY CURE TIME FOR IMMERSION SERVICE IS CRITICAL DUE TO ZRC'S CURING MECHANISMS.

   ZRC cures using two methods; The first, and most obvious, is solvent evaporation. Newly applied ZRC appears as a wet, glossy, dark gray surface which turns to light, flat gray upon solvent evaporation. Second, once the majority of solvent is gone (within two to three hours), ZRC's binder will begin to oxidize, forming a hard, dense coating.

   Initially, the ZRC coating is porous and immersion before the recommended cure schedule may cause premature failure. The oxidation process (complete after the prescribed 14 day period) acts to close these pores thereby cutting off the water penetration.

5. In very severe environments, specifically chemical and when pH is < 6.5 and > 10.5), ZRC recommends topcoating with materials suited to that particular application to avoid rapid zinc depletion. Please refer to ZRC's Guide to Topcoating for further information.

If you have any additional questions or concerns, don't hesitate to contact us. Please call our toll-free number 1-800-831-3275 (US Only) to speak with a technical representative or visit our store to place an order.

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