

Repairing Concrete Reinforcing Bar (Rebar)



ZRC Cold Galvanizing Compound is an organic, single component zinc-rich coating which has 95% pure zinc metal in the dried film and is recognized by Underwriters' Laboratories, Inc. to be equivalent in corrosion protection to hot-dip galvanizing.

The following procedure is recommended for use in repairing concrete reinforcing bar (rebar):

- 1 Chip away all loose, deteriorated concrete to expose rebar using 25 lb. (or less) chipping hammer, such as Chicago Pneumatic CP22. Provide a 3/4" minimum clearance around rebar and along length of rebar until no corrosion is found.
- 2 Sandblast rebar to remove all corrosion and to expose bare metal per SSPC-SP6, commercial blast cleaning.
- 3 Apply a minimum dry film thickness of 3 mils of ZRC Cold Galvanizing Compound by brush or spray, using multiple coats to achieve necessary film thickness. Please refer to [ZRC Technical Data Sheet](#) for specific application information and the [Material Safety Data Sheet](#) for safe handling information.
- 4 Allow ZRC to dry/cure at least 24 hours at 60-70 degrees F. At lower temperatures, allow longer cure times. Please contact ZRC Technical Staff for further information.

In all cases, surface temperature of the rebar must be at least 5 degrees F above the ambient dew point and relative humidity less than 85%.

- 5 Measure and record representative dry film thickness of ZRC coating at randomly chosen areas in accordance with SSPC-PA2, measurement of dry paint thickness with magnetic gauges.
- 6 Cover with masonry product as specified by the architect or engineer.

If you have any additional questions or concerns regarding using ZRC on rebar, [please contact our team](#). We're happy to help!

Please call our toll-free number **1-800-831-3275** to speak with a technical representative or [visit our store](#) to place an order

