ZRC Worldwide
INNOVATIVE ZINC TECHNOLOGIES

Guide to Surface Preparation for ZRC

HOW DO YOU PROPERLY PREPARE A METAL SURFACE FOR ZRC USE?

ZRC Must Be Applied Only To Clean, Dry, Bare Metal Surfaces!!!

Unlike inorganic zincs that require a near-white, practically aseptic surface, ZRC's organic base allows it to be used over rust-stained steel. Keep in mind, however, that any material left on the surface, specifically old paint, will block ZRC's zinc from contacting the metal surface. When the ZRC is not able to contact the metal, electrical conductivity cannot occur. Without electrical conductivity, no galvanic action can occur.

Necessary preparation will be largely determined by the steel's existing condition.

EXISTING CONDITION	TREATMENT
Steel is Oily or Greasy	Wipe off with solvent rags being sure to change rags often to avoid contamination.
Light Rust	Wirebrush of the rust by hand or with a power tool. Then, solvent wipe the surface.
Heavy Rust or Mill Scale	You MUST do commercial grade sandblasting.
Old, Corroded Hot-Dip Galvanizing	Wirebrush to remove zinc salts and rust. Then solvent wipe.
Preparing Welds	Knock off slag and other surface imperfections, allow surface to cool. Wipe with solvent to be sure no oil, dust or grease remains. Overlap ZRC at least 1" onto existing paint or galvanizing.
Marginally Prepared Surfaces (Where old, existing paint cannot be removed for various reasons, rust has begun and the paint is blistering.)	Wirebrush the paint blisters and rust to expose the bare metal. Wipe off with solvent rags. Then apply ZRC overlapping at least 1" onto existing paint. (ZRC will not lift or blister old paint.)

PLEASE NOTE:

Applying ZRC to wet or damp surfaces will result in poor adhesion and ultimate coating failure.

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