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Technical Data Sheet
ROVAL®ZC Galvanizing Repair Metallic Spray
Conforms to ASTM A780

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DESCRIPTION
ROVAL ZC Galvanizing Repair Metallic Spray (hereinafter "ZC") has a similar silver sheen color to galvanized steel. The dried film of ZC has 69% zinc (ASTM D520 type II) content. It provides cathodic anti-corrosion protection to metals.

PROPERTIES
▲ Anti-corrosion performance------- Cathodic Protection
Unlike normal paints, which only provide barrier protection, ZC also provides cathodic protection on steel and ferrous metals. The anti-corrosion performance depends upon the content of zinc in the compound and the film thickness.

▲ Barrier protection------Aluminum pigments
In addition to cathodic protection of zinc dust, ZC provides barrier protection of aluminum pigments to metals.

▲ Weathering --------Due to exposure, the film weathers same as galvanization
ZC possesses the similar weathering characteristics as galvanization. It is one of the most suitable compounds for touch-ups of damaged galvanized surfaces.

▲ Suitable as topcoating on R and R22
In order to enhance the anti-corrosion effect, using R or R22 as a primer and ZC as top-coating is the best recommendation.. We do not suggest topcoat on ZC.

APPLICATIONS
This product can be used extensively in the maintenance and restoration of damaged or worn galvanized metal and for the long term anti-corrosion protection of steel/iron structures or equipment.

TECHNICAL DATA

● Color	Silver sheen color
● Specific Gravity	1.33kg / L (liquid paint)
● Theoretical Coverage	1m² or 10.8ft² / can (dft=1.6mil)
● Recommended Film Thickness	1.6mil or 40µm
● Heat-Resistance	212 °F degree (100°C)
● Dry to Touch Time	20-40 (at ambient temperature)
● Recoat time	(2nd coat of ZC) 30-60 minutes
● Application Conditions	Temperature 41 °F ~ 122 °F Humidity ＜ 85%
● Shelf life	2 year (Stored properly)

* Can be used after being re-evaluated even post shelf life.

DIRECTIONS
-Surface Preparation
ZC must be applied directly to steel, galvanized, or Rovalized surfaces. If old paint exists on the surface to be painted, please remove it, or it will compromise the anti -corrosion performance.

Steel/Iron surfaces:
Clean the surface to be free of all grease, oil, loose rust, and other foreign contaminants, especially marine salt. In a high corrosive environment, or if high anti corrosion performance is required, the following is recommended:
- sandblasting to ISO Sa 2 1/2 or SSPC SP-10 is sufficient.
- surface profile should be Rz30µm - 70µm.
- salt deposit density should be below 50mg / m².

Under normal atmospheric environments, or if sandblasting cannot be used, the following is recommended:
- power tool clean to ISO St3 or SSPC SP-3 is sufficient.
- surface profile should be Rz30µm - 70µm.
- salt deposit density should be below 50mg / m².

Galvanized surface:
Clean the surface to be free of all grease, oil, salt, loose rust and other foreign contaminants.
Rub the zinc salt with sandpaper to ISO St2 or SSPC SP-2.
Salt deposit density should be below 50mg / m².

Rovalized surface:
Clean the surface to be free of all grease, oil, salt, loose rust and other foreign contaminants.
Rub the zinc salt with sandpaper to ISO St2, SSPC SP-2.
Salt deposit density should be below 50mg / m².

NOTE: Coating must be done within two hours after surface preparation.

AGITATION
Shake can vigorously to achieve sufficient agitation.
Continue to shake can vigorously 30 seconds even after mixing balls start rattling. Shake often during use.

APPLICATION
Hold can upright 10 inches (25-30cm) from the surface of your object and spray in a steady back-and-forth motion, slightly overlapping each stroke.

CLEAN-UP
To prevent spray valve from clogging, clear spray valve by turning can upside down and pushing spray button for 2 seconds.

PACKAGING
11.6 oz (329g) 24 cans / case

PRODUCTION NUMBER
Sample: [W C Z 09 06 25 C 09:15:30]
WCR: Product Code; 09: Year; 06: Month; 25: Day;
C: Batch Number (A: 1st, B: 2nd, C: 3rd…);
09:15:30: The time of filling