



CORROZINC

TECHNICAL DATA

ZINC RICH PRIMER

THE PRODUCT AND ITS USES

CorroZinc is a single component, pre-catalyzed, zinc-rich coating system specifically designed for use as a primer on ferrous surfaces. The product works sacrificially to protect the coated substrate in the same manner as hot dip galvanizing.

CorroZinc contains a unique polyurethane binder which cures at almost any ambient temperature and does not become brittle like other zinc-rich coatings. CorroZinc is safe and easy to use (cures to a non-toxic protective skin) and flexible; unlike traditional zinc-rich coatings, it does not become brittle once cured. In addition, CorroZinc is easy to use (you can apply using a brush, roller or spray) and fast drying (dry to touch in 20-30 minutes).

TECHNICAL INFORMATION

PROPERTY	TEST DESCRIPTION	RESULTS
Application Temperatures	N/A	-10°C(15°F) to 50°C(120°F)
Viscosity	Brookfield Viscometer	Paint-like after agitation
Initial Setting Time	@ 20°C/70°F	30-90 minutes
Curing Time Before Handling	@ 20°C/70°F	2 hours
Ultimate Cure	@ 20°C/70°F	7 days
Recoat Time*	@ 20°C/70°F	Up to 48 hours
Solids Content	ASTM D-1259	67%
Volatile Organic Compounds (VOCs)	ASTM D-2369	320 grams/litre
Theoretical Coverage	N/A	25 m ² /litre/25 microns (1075 ft ² /US gallon/mil)
Adhesion to Steel	ASTM D-4541 (SSPC-SP5)	Greater than 500 p.s.i.
Hardness	ASTM D-2240 Shore D	70 to 80
Flexibility	ASTM D-412	180° at .003" over 1/4" mandril
Impact Resistance	ASTM D-2794 (5 mils)	Greater than 100 in. lbs.
Ultraviolet Resistance	ASTM G-154	Good; will darken slightly over time
Temperature Resistance	ASTM D-870, ASTM D-2485	-40°C(-40°F) to 90°C(195°F)

*However, recoat window varies depending on the spray equipment temperature setting, the ambient conditions, product temperature/thickness, and the temperature of the substrate being coated.

NOTE: All statements, technical information and recommendations contained herein are typical of results obtained under laboratory conditions and are not intended to be used as contract specifications. For specification guidelines please contact Madison Chemical.

APPLICATION INSTRUCTIONS

CONTACT MADISON FOR DETAILED APPLICATION INSTRUCTIONS.

A. SURFACE PREPARATION

- 1) Ensure that surface is clean, dry and uncontaminated. Proceed only if the substrate temperature is more than 3°C(5°F) above the dew point temperature during surface preparation and coating application.
- 2) Abrasive blast clean with sand or grit (G40 or coarser) to a Near White Blast (SSPC-SP10; NACE 2; SA 2.5) with a minimum 3 mil (75 micron) profile. DO NOT USE steel shot or non-angular media.
- 3) See Madison Application Instructions for details.

B. APPLICATION OF COATING

- 1) Power agitate and stir thoroughly before use. The product should have a paint-like consistency.
- 2) CorroZinc may be applied using a roller, brush or a single component airless spray equipment (when spraying start with a tip in the .020" range and a medium fan). For thinning use **only** Madison VR-1 Viscosity Reducer. Typical applied thickness is 3 wet mils (2 dry mils). Contact Madison for detailed instructions.
- 4) A second coat may be applied over the first, if it is applied within the recoat window. Otherwise, it may be necessary to roughen the surface to ensure good intercoat adhesion.

C. CLEAN-UP AND STORAGE

- 1) This material will react with humidity and moisture. Keep containers tightly sealed and store upside down. Avoid dropping or subjecting the material to strong force. For clean-up, use Madison VR-1 Viscosity Reducer, M.E.K. or a 50:50 blend of M.E.K. and Xylol. Other solvents may react with product.
- 2) Store between 10°C(50°F) and 27°C(80°F). DO NOT FREEZE. Use product within 6 months of receiving.

HEALTH AND SAFETY

Coatings that contain zinc might build up gas over time. To avoid any sudden burst of gas, open the container carefully, thus allowing the gas to escape slowly. Avoid dropping or subjecting the material to strong force.

CorroZinc is intended for industrial use only. It contains no monomeric isocyanates but may nevertheless cause respiratory distress in some people. Provide ample ventilation. Wear a fresh air respirator when using in confined areas or when spraying. Wear rubber gloves, safety goggles and protective clothing. If swallowed, DO NOT induce vomiting as this will cause additional throat irritation; contact physician. If splashed on skin, remove immediately with rubbing alcohol and then wash with soap and water. If splashed in eyes, wash liberally with clean water and contact physician; temporary irritation of eyes may last several days. Contains no known or suspected carcinogens or mutagens. See MSDS for more information.

LIMITED TWO YEAR WARRANTY

Madison will replace any product which, in service for which it is suitable, fails to meet specifications within two years of sale and which is proven to be defective when applied according to instructions by a Madison Approved Applicator or Certified OEM Applicator. Madison accepts no responsibility or liability for any other loss, claim, damage, injury or expense, direct or consequential, in contract or negligence. This product replacement warranty is in lieu of any other right, warranty, guarantee or condition, statutory or otherwise, expressed or implied, whether as to fitness for a particular purpose or as to merchantable quality or otherwise.

The information contained herein is believed to be accurate as of the date of publication. Madison reserves the right to change product specifications without notice.

f:\data\lit\library\30tds.infl\corrozinc tds ver 03 2007 07 17



490 McGeachie Drive, Milton, ON, Canada, L9T 3Y5 Phone: (905) 878-8863 Fax: (905) 878-1449
e-mail: sales@madisonchemical.com Web: www.madisonchemical.com
The World Leader For Infrastructural Coatings™