



# CORROCOTE PRECATALYZED

## TECHNICAL DATA SINGLE COMPONENT GENERAL PURPOSE PROTECTIVE COATING

### THE PRODUCT AND ITS USES

CorroCote PreCatalyzed is a corrosion resistant coating with paint-like handling characteristics. As the name suggests, there is nothing to add; simply stir and apply. It will cure at any ambient temperature down to minus 10°C (15°F). CorroCote PreCatalyzed protects steel, wood and concrete in all kinds of atmospheric service, including splash and spill of an aqueous nature. General industrial maintenance is the primary application for this versatile product.

The finished film resists abrasion, mild acids, and vehicular traffic (e.g. on wood or concrete floors). For extra toughness, a CM (ceramic modified) version of CorroCote PreCatalyzed is available upon request. For most applications, about 8-10 dry mils of this self-priming product offers years of protection. An optional catalyst is available for faster cure where required.

### TECHNICAL INFORMATION

PROPERTY	TEST DESCRIPTION	RESULTS
Application Temperatures	N/A	-10°C(15°F) to 50°C(120°F)
Initial Setting Time	@ 70°F/20°C	2-3 hours
Curing Time Before Handling	@ 70°F/20°C	4-6 hours
Ultimate Cure	@ 70°F/20°C	7-10 days
Recoat Time*	@ 70°F/20°C	Up to 48 hours
Solids Content	Conversion to Solids by Volume	65%
Volatile Organic Compounds (VOCs)	ASTM D-2369	276 grams per litre
Theoretical Coverage	N/A	1050 ft <sup>2</sup> /gal/mil 25 m <sup>2</sup> /litre/25 microns
Adhesion	ASTM D-4541 (SSPC-SP5)	Greater than 600 psi
Flexibility	ASTM D-522	180° over knife edge @ 10 mils
Abrasion Resistance	ASTM D-4060	Regular Version - Good CM Version - Excellent
Resistance to Cathodic Disbondment	CSA Z-245 (65°C, 48 hours, 20 mils)	Less than 10 mm. disbondment
Chemical Resistance	ASTM D-543	Splash and spill
Hardness (Shore A)	ASTM D-2240 Shore "D"	45 ±5
Impact Resistance	ASTM D-2794 (20 mils)	Greater than 100 in lbs
Water Absorption	ASTM D-471	Less than 3%
Temperature Resistance	ASTM D-870, D-2485	-40°C (-40°F) to +50°C (120°F)
Colors		Consult your sales representative

\*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). DO NOT USE steel shot or non-angular media. For **steel** surfaces in atmospheric service, blast to a Commercial Blast (SSPC-SP6; NACE 3; SA 2). Acid etching or chemical cleaning methods may be appropriate for certain substrates. For **top coating** over primer or base coat, apply within recoat window of the primer or base coat. Otherwise, it may be necessary to roughen the base coat using sandpaper.
- 3) See Madison Application Instructions for details.

### B. APPLICATION OF COATING

- 1) Stir thoroughly.
- 2) CorroCote PreCatalyzed may be applied by any conventional means - roller, brush or a single component airless spray. The viscosity is paint-like. When spraying, start with a tip in the .020" range and a medium fan. For thinning use only Madison VR-1 Reducer. Cure-to-touch time is approximately 2 hours and cure-to-handle time is 4-6 hours depending on the temperature. Surface may remain tacky for 24 hours or more; if this presents a problem, washing of the surface with soapy water will reduce tackiness. For faster setting and curing, add about 5% of Madison C-10 catalyst.
- 3) Recoat within 48 hours.

### 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-3 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

**CorroCote PreCatalyzed might build up gas over time. To avoid any sudden burst of gas, open container carefully, thus allowing the gas to escape slowly. Avoid dropping or subjecting the material to strong force.** CorroCote PreCatalyzed 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. See MSDS for more information. The finished product is completely inert.

## 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.inflcc pc tds ver 02 2005 04 05*

