

## Description

CRS primer has the ability to create an ionic bond with metal and provide a surface coating that encapsulates corrosion and protects old, deteriorating, ferrous substrates. CRS may be applied directly to surfaces with tightly adhered intact rust (with proper preparation). CRS will penetrate tightly adhered intact rust to bond with the metal substrate below to stop the corrosion process.

When properly applied, CRS provides both the applicator and asset owner with a cost effective infrastructure maintenance program. CRS is environmentally friendly due to it being water-based, extremely low VOC level, and ease of application and use.

## Basic Usage

CRS is primarily used as a primer coating to protect ferrous materials from further deterioration and loss of mass, through exposure to many naturally occurring elements.

- Concrete encased metal
- Metal Stairs and Ramps
- Corrosion Under Insulation (CUI)
- Corrugated and Metal Roofs
- Ship Decks
- Columns - Beams - Bridges
- Tanks
- Mines, Infrastructure, Pipe exteriors

CRS, in some cases may be used in some cases as a stand-alone solution, although more often as a part of a more comprehensive solution utilizing other Maxon Technologies' products. In addition, CRS may be used as a functional primer for other coating systems.

## Benefits

- Simplified surface preparation
- Can be applied via brush, spray, or roll
- Remarkable ease of application
- Extends time between maintenance cycles
- Flexible re-coat window (weeks vs hours)
- Ease of clean-up (water and solvents)
- Minimal odor
- Water resistant
- 1K Water-borne product

## Information / Composition of Components

Proprietary formulation no hazardous ingredients according to the OSHA Hazard Communication Standard (29 CFR 1910.1200)

<b>Number of Components:</b>	One
<b>Mass Density:</b>	1.2-1.3 gr/cc
<b>Volume Solids:</b>	52% ±2%
<b>VOC:</b>	Under 1.0
<b>Viscosity:</b>	200-600 cSt
<b>pH:</b>	8-9
<b>Recommended DFT:</b>	1-3 mils Dry Film Thickness (DFT)
<b>Time Dry to Touch:</b>	20-40min.
<b>Overcoating Intervals:</b>	When dry to touch
<b>Full Cure After:</b>	24-48 hours
<b>Shelf Life:</b>	24 months at 4-40 Degrees Celsius (in original sealed container)
<b>Physical State at 20°C:</b>	Liquid
<b>Appearance:</b>	Milky White, White, Yellow, Colors
<b>Odor:</b>	Slight Acrylic
<b>Freezing Point [°C]:</b>	0°C
<b>Boiling Point [°C]:</b>	100°C
<b>Vapor Pressure:</b>	2.3 kPa at RT
<b>Flammability (Solid, Gas):</b>	Not Flammable

## Upper / Lower Limit on Flammability or Explosive Limits

Flammability Limit Upper (%):	N/A
Flammability Limit Lower (%):	N/A
Solubility in Water:	Partial
Auto-ignition Temperature [°C]:	N/A
Decomposition point [°C]:	N/A

Refer to our Material Safety Data Sheet (MSDS) regarding regulatory compliance, safety, hazards, spill procedures and disposal of this product.

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