

Description

CRS has the ability to create an ionic bond with metal and provide a surface coating that encases and protects old deteriorating, ferrous substrates.

CRS is a unique coating which can be used as a primer base coat directly on rusty surfaces.

When used correctly, CRS provides both the applicator and asset owner with a cost effective infrastructure maintenance program. CRS is environmentally friendly due to its use of recycled industrial material, extremely low VOC level, and ease of application and use. CRS has an advantage over other coatings by providing asset protection against many freeze/thaw, chemical and abrasion threats.

Advantages

Resistance to multiple environmental threats, including:

- Abrasion
- Freeze/Thaw
- Thermal Shock
- Chemical
- Salt

Application flexibility	Extreme climate resistance (-50 to +250F)
Easy to use (brush, spray, roll)	Ease of clean-up (water and solvents)
Remarkable ease of application	Minimal odor
Lowers the cycle of preventative maintenance.	Water resistant

- CRS is an anti-corrosive agent that stops existing corrosion and prevents future corrosion.
- CRS contains oxygen scavenging properties, which prevents corrosion from recurring.
- CRS penetrates rust and bonds to metal creating a primed surface for a variety of topcoats.

Uses

The primary use of CRS is to protect and restore ferrous materials from deterioration or further loss of structure 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 can be used in some cases as a stand-alone solution, although more often as a part of a more complex solution utilizing other Maxon products. In addition, CRS can be used as a functional primer for other coating systems.

COMPOSITION / INFORMATION ON INGREDIENTS

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

Number of components	One
Mass density	1.2-1.3 gr/cc
Volume Solids	52%±2%
VOC	Under 1.0
Viscosity	200-600 cSt
pH	2-4
Recommended dry film thickness	1-3 mils
Dry to touch	20-40min.
Overcoating intervals	When dry to touch
Full cure after	24 h.
Shelf life	12 month at 4-40°C

Physical state at 20°C	Liquid
Appearance	Milky White, White, Yellow, Colors
Odour	Slight Acrylic
Freezing point [°C]	0°C
Boiling point [°C]	NA
Evaporation rate	NA
Flammability (solid, gas)	Not Flammable
Upper/lower limit on flammability or explosive limits	
Flammability Limit Upper (%)	NA
Flammability Limit Lower (%)	NA
Solubility in Water	Partial
Auto-ignition Temperature [°C]	NA
Decomposition point [°C]	NA

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

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