

CCI 921

CCI 921 is a unique corrosion control system developed by Corrosion Control Industries, Inc. for use on rusted ferrous metal surfaces. The ferrous surface to be protected is converted on contact to a complex organic iron compound by the unique deoxygenating agent incorporated in the CCI 921 converter. This black, corrosion-resistant layer is formed by utilizing all the surface moisture and oxygen during the reduction reaction. The special copolymer latex emulsion system dries to form an impermeable barrier to oxygen and moisture.

CCI 921 must be applied only to rusted ferrous metals, such as iron or steel. It may be applied to damp rusted surfaces. CCI 921 is also available in high build formula.

CCI 921 is water based and solvent free. It contains no harsh phosphoric or hydrofluoric acids, making it safer for employees and for the environment.

PHYSICAL PROPERTIES:

COLOR	Dries black
FINISH	Semi-gloss
THINNER	Not recommended
CLEANER	Cold water or detergent wash
APPLICATION METHOD	Roller, brush, conventional/air spray
FLASH POINT	>134 F (closed cup)
PERMEABILITY	20 g/m /25m/24 hrs
SOLIDS BY VOLUME	39%
pH	1.0-3.0
REC DRY FILM THICKNESS	1.0—1.5 mils
REC WET FILM THICKNESS	2.5-4.0 mils
THEORETICAL SPREAD RATE	480 sq ft/gallon @ 1.0 mil
DRY TIME (TOUCH)	Approx 30 minutes
DRY TIME (HARD)	Approx 8 hrs-max 7 days
SHELF LIFE	12 months
STORAGE CONDITIONS	40 F-86 F: protect from freezing
VOC	102 grams/liter

APPLICATION NOTES:

Application temperatures:

CCI 921 should not be applied to cold metal at or below the dew point or hot metal above 40 C (105). The coating gives excellent protection at temperatures between -50 C (-56 F) and 150 C (320 F) continuous use.

Surface Preparation:

Remove loose scale, flaky rust, all old paint and dirt with wire brush. Remove alkali, grease, oil, salt and chemicals with a neutral cleaner such as **Neutra Clean** and then rinse surface with cold clean water. Salt water deposits must be removed with high pressure clean water blasting. Reduce any high peaks or rust. **IMPORTANT**-any remaining high peaks must be adequately covered by CCI 921. Paint work blistered by rust must be scraped down to the hard rust surface. **DO NOT REMOVE ALL TRACES OF CORROSION. RUST IS NECESSARY FOR THE COMPLETE CHEMICAL REACTION OF CCI 921 TO TAKE PLACE.** CCI 921 may be applied to damp rusted surfaces. Areas of deep pitting-work in CCI 921 well with brush.

Dispensing:

TO AVOID CONTAMINATION OF CCI 921 by rust particles before use, pour CCI 921 into a non-metallic container. Do not pour the unused portion back into the original CCI 921 container. Clean brushes, equipment with cold water or detergent wash. This also applies to any spillage that may occur.

Application:

For inland applications: 2 coats are recommended for conversion and protection. Highly corrosive environments (i.e. salt water/marine, desert sand, chemical environments/tanks, etc.): apply 3 coats of CCI 921. CCI 921 is self priming and will accept most paints for over-coating, extending life or cosmetic finish. Over-coat paint must be tested for compatibility with CCI 921 before full scale painting. Chemical liquid tanks or shipping applications below the "water line" should be over-coated with epoxy or other approved coating and left seven days before immersion.

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