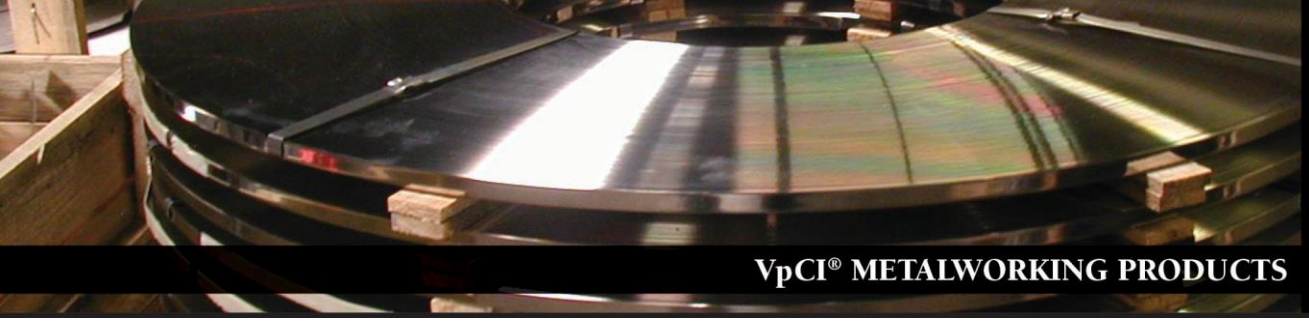

EcoCorr™ Water-Based Rust Preventative powered by Nano VpCI®

PRODUCT DESCRIPTION

EcoCorr™ Water-Based Rust Preventative is a complete replacement for oil-based preventatives for indoor protection of equipment and components. EcoCorr™ Water-Based Rust Preventative is non-hazardous and ready-to-use.

EcoCorr™ Water-Based Rust Preventative is applied to metal surfaces by dipping or spraying. It does not typically need to be removed, but if necessary, can be removed with conventional alkaline cleaners, such as Cortec's VpCI®-410 Series.

FEATURES

- **ECONOMICAL: APPLIED COST PER SQUARE FOOT (SQUARE METER) IS TYPICALLY 40 PERCENT LESS THAN THE BEST SELLING OIL-BASED RUST PREVENTATIVE**
- Much improved carbon footprint as compared to oil- and solvent-based rust preventative
- Protects ferrous metals and non-ferrous metals
- Prevents flash corrosion on parts in between processes
- Extends shelf-life of finished equipment and parts
- Non-hazardous, free of nitrite, phosphate, and hazardous amines
- Water-based, convenient to use and easy to clean
- Improves plant cleanliness and worker safety; doesn't require special ventilation
- Forms a clear, dry film; suitable for robotic assembly of precision machined components
- No need to remove in most cases; easily removable if necessary
- Eliminates costs associated with oil-residue removal and disposal
- Excellent wetting properties
- Dry film stable up to 284°F (140°C)
- Can be coated over with conventional paint systems*
- Can be welded in most cases
- Non-flammable, economical to transport and warehouse
- Shows >800 hours protection in ASTM D-1748 testing

*Contact Cortec® for topcoating applications.

TYPICAL APPLICATIONS

Thin film coating for indoor storage of

- Castings, tubular parts, finished parts, gears
- Pumps and housings
- Structural steel, sintered metals
- Bars and roll stock

Spraying or dipping on metal surfaces will provide sheltered or indoor protection for up to 2 years.

METALS PROTECTED

- Carbon steel
- Cast iron
- Stainless steel
- Galvanized steel
- Aluminum
- Copper

APPLICATION

Product Preparation:

Apply via dip, brush, or spray with a variety of equipment (conventional, pump spray, etc.)

CORTEC CORPORATION
Environmentally Safe VpCI®/MCI® Technologies

TYPICAL PROPERTIES

Appearance	Light yellow, hazy liquid
Film Type	Dry, clear
pH	8.3-8.6 (Neat)
Density	8.3-8.6 lb/gal (0.99-1.03g/cm^3)
Dry Film Thickness	<2.5 micron (0.1 mil)

STANDARD TEST METHODS

Standard Tests	Description	Results
ASTM D-1748	Standard Humidity Cabinet Testing Protocol	>800 hr
ASTM D-4627	Cast Iron Chip Test	Pass
ASTM G-31	Immersion Corrosion Testing	Pass
NACE RP0487-2000	Selection of Rust Preventives	Compliant
ASTM D 3359	Measuring Adhesion by Tape Test	Pass

STORAGE AND PACKAGING

EcoCorr™ Water-Based Rust Preventative is available in 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes, and bulk. The product should be stored in sealed containers in temperatures above freezing (heated warehouses).

Shelf life is 24 months.

TEST IMAGES
Standard Humidity Cabinet Testing Protocol

Control panel after 860 hrs in ASTM humidity test

EcoCorr® protected panel after 860 hrs in humidity test

FOR INDUSTRIAL USE ONLY
KEEP OUT OF REACH OF CHILDREN
KEEP CONTAINER TIGHTLY CLOSED
NOT FOR INTERNAL CONSUMPTION
CONSULT SAFETY DATA SHEET FOR MORE INFORMATION

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