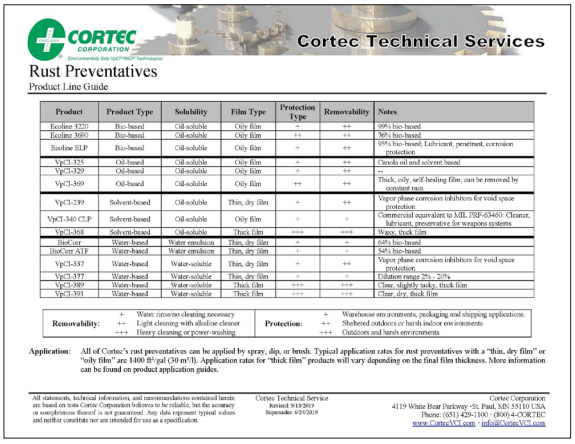
NEWS ALERT

ISO 9001 • ISO 14001
ISO/IEC 17025

Wondering Where to Start with RP Selection? Take Advantage of This Tech Service Guide



CORTEC CORPORATION
Environmentally Safe VpCI®/MCI® Technologies

Cortec Technical Services

Rust Preventatives

Product Line Guide

Product	Product Type	Solubility	Film Type	Protection Type	Removability	Notes
Ecoline 3220	Bio-based	Oil-soluble	Oily film	+	++	99% bio-based
Ecoline 3690	Bio-based	Oil-soluble	Oily film	++	++	36% bio-based
Ecoline BLP	Bio-based	Oil-soluble	Oily film	+	++	95% bio-based. Lubricant, penetrant, corrosion protection
VpCI-325	Oil-based	Oil-soluble	Oily film	+	++	Canola oil and solvent based
VpCI-329	Oil-based	Oil-soluble	Oily film	+	++	--
VpCI-369	Oil-based	Oil-soluble	Oily film	++	++	Thick, oily, self-healing film; can be removed by constant rain
VpCI-239	Solvent-based	Oil-soluble	Thin, dry film	+	++	Vapor phase corrosion inhibitors for void space protection
VpCI-340 CLP	Solvent-based	Oil-soluble	Oily film	+	+	Commercial equivalent to MIL 75SF-63460: Cleaner, lubricant, preservative for weapons systems
VpCI-368	Solvent-based	Oil-soluble	Thick film	+++	+++	Waxy, thick film
BioCorr	Water-based	Water emulsion	Thin, dry film	+	+	64% bio-based
BioCorr ATF	Water-based	Water emulsion	Thin, dry film	+	+	54% bio-based
VpCI-337	Water-based	Water-soluble	Thin, dry film	+	++	Vapor phase corrosion inhibitors for void space protection
VpCI-377	Water-based	Water-soluble	Thin, dry film	+	+	Dilution range 2% - 20%
VpCI-389	Water-based	Water-soluble	Thick film	+++	+++	Clear, slightly tacky, thick film
VpCI-391	Water-based	Water-soluble	Thick film	+++	+++	Clear, dry, thick film

Removability:
+ Water rinse/no cleaning necessary
++ Light cleaning with alkaline cleaner
+++ Heavy cleaning or power-washing

Protection:
+ Warehouse environments, packaging and shipping applications
++ Sheltered outdoors or harsh indoor environments
+++ Outdoors and harsh environments

Application: All of Cortec's rust preventatives can be applied by spray, dip, or brush. Typical application rates for rust preventatives with a "thin, dry film" or "oily film" are 1400 ft²/gal (30 m²/l). Application rates for "thick film" products will vary depending on the final film thickness. More information can be found on product application guides.

All statements, technical information, and recommendations contained herein are based on tests Cortec Corporation believes to be reliable, but the accuracy or completeness thereof is not guaranteed. Any data represent typical values and neither constitute nor are intended for use as a specification.

Cortec Technical Service
Revised: 9/18/2019
Supersedes: 8/20/2019

Cortec Corporation
4119 White Bear Parkway · St. Paul, MN 55110 USA
Phone: (651) 429-1100 · (800) 4-CORTEC
www.CortecVCI.com · info@CortecVCI.com

When selecting a rust preventative (RP) for your own or a customer's application, it can be difficult to know where to start given the wide range of options. The Cortec® Technical Services Rust Preventative Product Line Guide can be a helpful tool to narrow down your choices by looking at specific rust preventative characteristics based on the following questions.

What Kind of Carrier Do You Want?
The Tech Service guide groups products according to type: bio-based, oil-based, solvent-based, and water-based.* While choosing water-based or bio-based is a great way to go to get environmental and worker benefits, some users will simply be more comfortable using a solvent-based or oil-based carrier they are already familiar with or that may be specified by their company. The guide offers several options for each category.

What Level of Protection Do You Need?
The chart includes a key to identify level of protection. For instance, if the metal parts or equipment will be exposed to harsh elements outdoors, a product with a higher level of protection will be needed than for items that remain in a sheltered warehouse or packaging environment.

Do You Want a Dry Film or an Oily Film?
Another important question to consider is whether or not you would like the protective film to be oily or dry. This can affect the overall messiness of the application and removal process and whether or not a component can be installed or used immediately. This feature is identified under "Film Type" and "Notes."

How Easy Do You Want Removal to Be?
Removal is also a significant consideration. Cortec® rust preventatives range from those that do not need to be removed at all (or can be easily rinsed off with water) to those that are heavier duty and may need to be power washed off.

Thinking about these characteristics in relation to your application, storage, and shipping environments and the end use of the metals being protected will go a long way toward helping you select the most suitable rust preventative for your specific needs. Contact Cortec® Technical Services for a copy of the guide and for further assistance: https://www.cortecvci.com/contact-us/

**Note: Some water-based products are also bio-based.*