

Q5800

On-the-Move Oil Analysis

SPECTRO INC.
www.spectroinc.comfollow us on
twitter

Home News Articles Materials Equipment Products Books Journals Videos Courses About



April 29, 2014

Browse By: Materials | Applications | Industries

Terms Submit News Advertise About

Posted in: Coatings and Thin Films | Nanomaterials and Nanotechnology

News Story Related News Related Articles Supplier Profile Request Quote

Print PDF Share 7 1 Tweet

Cortec's CorShield VpCI-386 HP Anticorrosion Coating Provides Nanoparticle Composite Polymer Barrier

Published on April 29, 2014 at 1:28 AM

Water-borne Anticorrosion Coatings have gone through many stages of evolution and improvements in recent years. More stringent environmental standards are pushing the creation of water-borne coatings for corrosion protection forward. Recent innovations from Cortec® Corporation's Laboratory enable us to offer new, novel coatings for multi metal protection.

This next generation of high performance water-based acrylic coatings has improved barrier performance and enhanced stability, which provides superior corrosion defense in harsh outdoor, unsheltered applications. CorShield™ VpCI®-386 HP's unique Nano-VpCI® formulation contains a mixture of non-toxic organic inhibitors and pigments that offer extended coating protection, which strongly competes with heavy metal zinc-rich primers and paints. Cortec's special combination of additives provides a nanoparticle composite polymer barrier that significantly retards the reaction of metal ionization by ion scavenging and passivation.



Economical, environmental-friendly, and easy to handle CorShield™ VpCI®-386 HP is much more effective than most conventional coatings because the corrosion resistance has been improved by replacing traditionally used toxic materials with more effective, non-toxic, heavy metal free corrosion inhibitors. This safer to use composition eliminates worker exposure to organic solvents and of fire hazards in confined areas. CorShield™ VpCI®-386 HP provides a fast-drying primer/topcoat film that forms a tough, non-flammable, protective barrier that was developed to protect in both indoor and outdoor conditions. It bonds to metal surfaces, defending against corrosive electrolytes and aggressive environments.

CorShield™ VpCI®-386 HP is recommended for a variety of applications especially where the uses of toxic materials are of concern. The product is thermally stable when dried from -150°F-350°F (-78°C-180°C) and is UV (ultraviolet) resistant giving optimal outdoor performance without cracking or chipping upon prolonged exposure to sunlight. VpCI®-386 HP can be used as a topcoat/primer or used as a topcoat with Cortec® VpCI®-374 as a primer. VpCI®-386 HP can be applied by spray, roll, brush, or dip. It dries to touch in 40 minutes at 77°F (25°C) and is fully cured in 7 days at 77°F (25°C). It is available in 5-gallon (19 liter) pails, 55-gallon (208 liter) metal drums, liquid totes, and bulk. Available colors are White, Grey, and Yellow.

FEATURES

- Fast-drying, non-flammable
- UV resistant when dried
- Forms non-flammable, protective barrier
- Optimal outdoor performance
- Clear coating allows visual inspection of metal substrate coatings

Read in: English | Español | Français | Deutsch | Português | Italiano | 日本語 | 한국어 | 简体中文 | 繁体中文 | Nederlands | Pycckий | Svenska

Tell Us What You Think

Do you have a review, update or anything you would like to add to this news story?



Leave your feedback

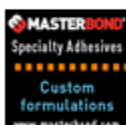
Login Facebook Google

OLYMPUS
Flaw Detection
Thickness Gaging
Elemental Analysis
www.olympus-usa.com

We market
strong metals.
PLANSEE



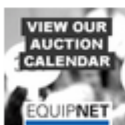
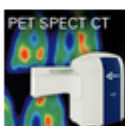
• Mining/exploration & production
• Positive material identification (PMI)
• Environmental analysis



tools
and techniques

Thought Leaders

- Creating Ultra-High Strength Steels for Large Vehicles - An Interview With Quanquan Luo
- Hydroxyapatite In Hydrogels for Biomedical Applications - An Interview With Olina Samson
- Ceramic Composites for Use in Military Armor: An Interview With Hywel Jones



Insights From Industry

- Evolving Applications of Laser Particle Sizing - An Interview With Andrea Köhler
- Advantages and Market Demands for Thermo Scientific XRF Spectrometers: An Interview With Dr. Ravi Yellopeddi at Thermo Fisher Scientific

Request Quote or More Info