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

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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

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