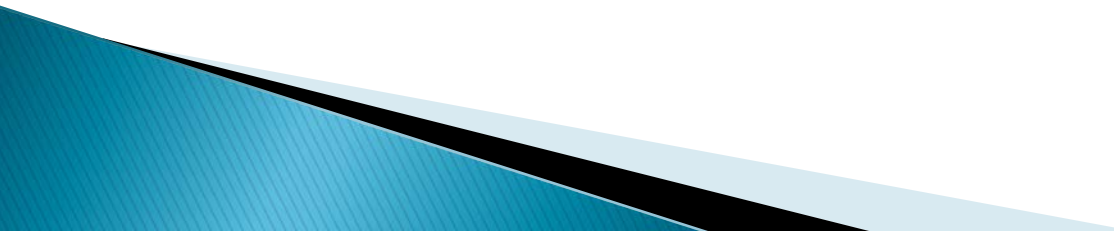


Presentation of A Corrosion Cover Product (Rust Grip Coating)


By
Duerson IPPI, LLC




Presentation Items

- ▶ Details of the Corrosion Coating Product
 - ▶ Characteristics of the Product
 - ▶ Features of The Product
 - ▶ Surface Preparation and Application
 - ▶ Surface Tensile Strength
 - ▶ Product Application
 - ▶ Registrations, Certifications, & Approvals
 - ▶ Other Points
 - ▶ Limitations
 - ▶ Next Steps
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Details of The Product

- ▶ One-Coat Encapsulation
 - ▶ Patented method of abating bio-hazardous materials
 - ▶ No white sandblasting needed
 - ▶ VTEC LABS certified penetration of 18 layers of existing lead-based paint
 - ▶ Endures 29,700 rub cycles without exposing existing lead-based paint
 - ▶ Passed 2000 hour salt spray test • Test “5” on Flame Spread (0-25 Class A)
 - ▶ Meets EPA Guidelines
 - ▶ FM, ABS, IMO and Coast Guard approved
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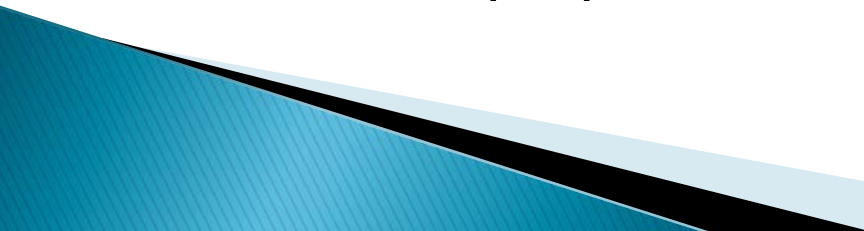
Characteristics

- ▶ Silver-Gray in color
 - ▶ Moisture Cure Polyurethane
 - ▶ Cures to 6780+ psi tensile strength
 - ▶ Recoat window: 1 hour to 24 hours without profiling surface (according to current temperature and humidity)
 - ▶ Impact Resistant
 - ▶ Can be used to encapsulate asbestos and lead-based paint.
 - ▶ Aluminum metallic base
 - ▶ Permeability: 0.22 perms
 - ▶ Dries to touch in 2 hours at 70° F
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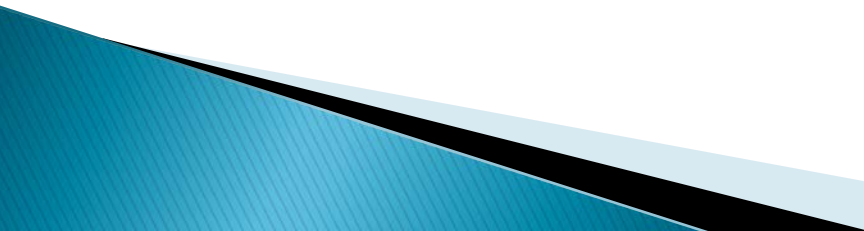
Characteristics (Continued)

- ▶ 50% solids by weight, • 51.37 solids by volume
- ▶ VOC Level is 414 grams per liter
- ▶ Very good chemical resistance, but not recommended for use with ammonia
- ▶ UV controlled and is not affected by most caustic environments.
- ▶ Currently used on bridges and guardrails to encapsulate lead-based paint and galvanized metal.
- ▶ Can withstand electrical currents without losing adhesion. (important for underground pipes and tanks)
- ▶ 15–20 years life expectancy when properly applied.

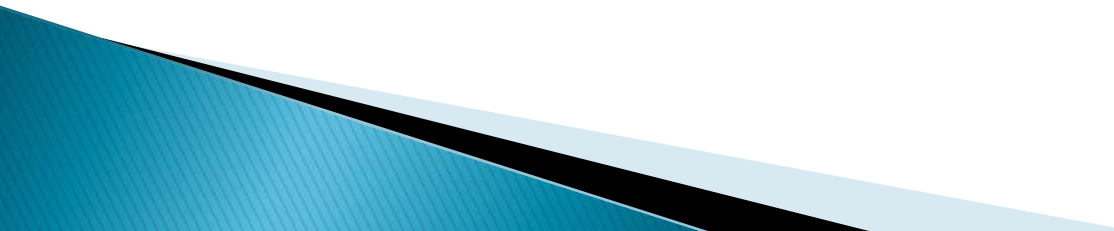
Features of The Product

- ▶ Graffiti sprayed on surface can be removed with 1200 psi water.
 - ▶ Will cover any rusted area to stop and control corrosion
 - ▶ This one-part polyurethane coating encapsulates and holds a patented process to stop the progression of rust, corrosion, lead-based paints, asbestos and other bio-hazardous materials.
 - ▶ It may be applied to metal, concrete, or wood
 - ▶ It is tested to penetrate up to 18 coats of existing lead-based paint.
 - ▶ It is easy to use, fast and labor saving – eliminating sandblast preparation.
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SURFACE PREPARATION AND APPLICATION

- ▶ Requires only 1,500 to 3,500 psi power wash (with minimal hand or power tooling) to clean and prepare surface; no white metal or near white metal blast is required
 - ▶ Can be applied over flash or surface rust without loss of adhesion or reduced performance; can be applied over existing paint (non-glossy, solidly-bonded)
 - ▶ Can be re-applied or touched up with minimal surface preparation
 - ▶ Has been applied directly over rusted surface and after 3 years, pull test of 580 PSI compared to 100 PSI before coated.
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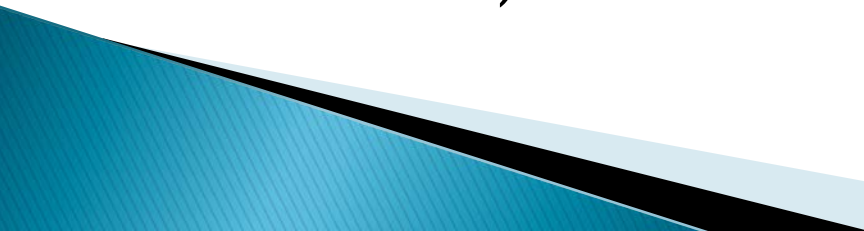
SURFACE TENSILE STRENGTH

- ▶ 6,780+ psi surface tensile strength after three weeks
 - ▶ Penetrates deeply into pores of substrate and existing coating to “anchor into” and seal surface
 - ▶ No other corrosion coatings have the surface tensile strength of this Product at the recommended thickness of four (4) dry mils
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Product Application

- ▶ This Product protects and seals new or rusted steel, aluminum, concrete, wood, fiberglass, traditional coatings and existing paint films including lead-based paint, asbestos, and other substrates. It can be applied directly to concrete.
- ▶ This Product is a one-coat application using two passes before moving the set up.
 - It is easy to apply using a brush, roller, or airless sprayer. It was designed as a one-coat system, but serves as a primer and/or topcoat.
 - It is a 60% less costly alternative to the traditional 3-part zinc rich primer epoxy-urethane system being used over bridges and other steel structures.

REGISTRATIONS, CERTIFICATIONS, AND APPROVALS

- ▶ USDA Approved
 - ▶ US Coast Guard Approval
 - ▶ ABS (American Bureau of Shipping) Approval
 - ▶ IMO (International Marine Organization) Approval
 - ▶ FM (Factory Mutual) Approval
 - ▶ Environmental Protection Agency (EPA) – Meets EPA Guidelines
 - ▶ Ecopetrol Oil Certification – Specifications into tanks, pipes, facilities, and equipment uses (Engineer – Henry Lizcano Paez, Ingerioro do Corrosion)
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REGISTRATIONS, CERTIFICATIONS, AND APPROVALS

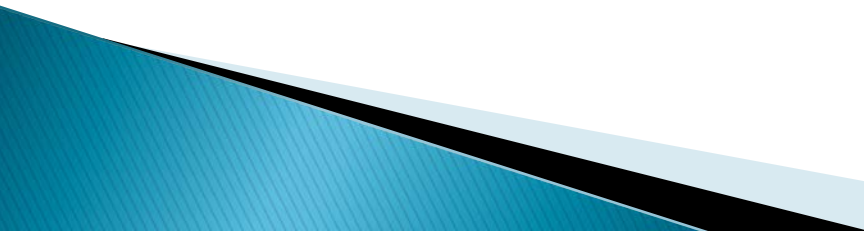
- ▶ **Louisiana Department of Transportation**
 - Approved for use on Qualified Products List; Passed 1500 hour Salt Fog Test
- ▶ **Mississippi Department of Transportation**
 - Approved for use on Qualified Products List
- ▶ **Tennessee Department of Transportation**
 - Acceptable for encapsulation of galvanized guardrails
- ▶ **University of Kentucky**
 - Acceptable for encapsulation of steel bridges for Kentucky Department of Highways

Other Points


▶ LIMITED SURFACE PREP

- This Product applies directly over existing, firmly bonded paint or rust without loss of performance.
- 3-part systems normally require a white metal blast (SSPC SP-5) or a near white blast (SSPC SP-10). Blasting is the greatest expense using the 3-part system. This Product will greatly reduce the over-all cost of a project.

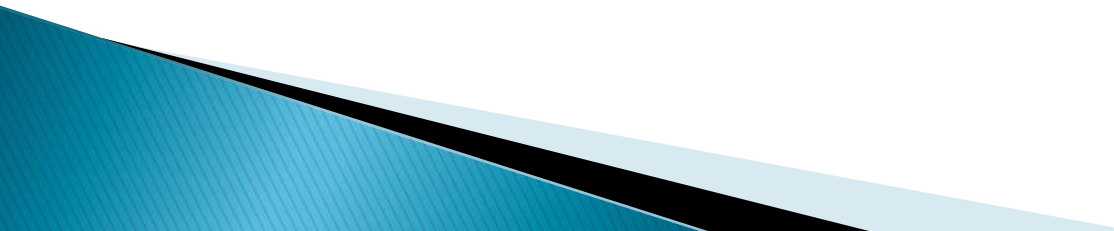
▶ WITHSTANDS EXPOSURE TO CAUSTIC ENVIRONMENTS

- This Product has performed in petrochemical environments for over 15 years.
 - It can be submerged in 100% Nitric Acid without any negative effects.
 - It can line gasoline or solvent storage tanks.
 - Designed to resist acids, salts, and caustics with no loss of integrity.
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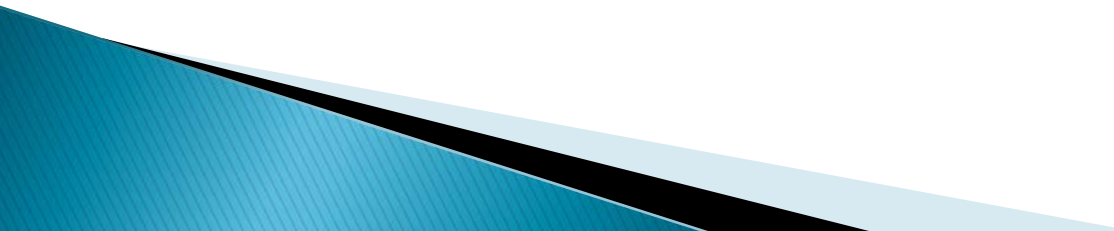
Limitations

- ▶ Silver-Gray in color. It cannot be tinted due to the aluminum pigments which gives it its strength and durability. It can be top-coated in the color desired anywhere between 1 to 24 hours (according to current temperature and humidity).
 - ▶ Surfaces must be totally dry. It cannot be used over wet or moist surfaces.
 - ▶ Not for use in situations of constant underwater immersion. It can be used as a primer for epoxies and other coatings made for total immersion.
 - ▶ Not recommended for use around high ammonia levels. It can be used as a primer coat for other coatings.
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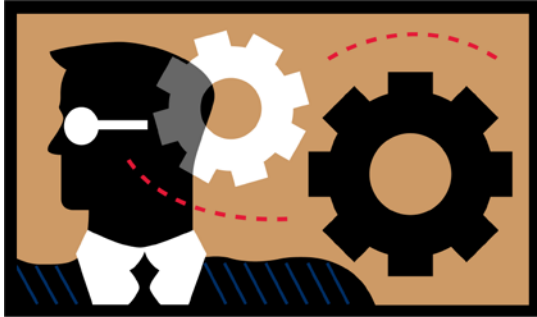
Limitations (Continued)

- ▶ Not for use on food preparation surfaces that are in direct contact with foodstuffs.
 - ▶ USDA approved for use around foods, food preparation and facilities.
 - ▶ Cannot be applied over pack-rust or scale. This must be removed as it tends to hold and hide moisture. Tight surface rust, up to 1 / 8th inch, that is totally dry can be coated with no problems.
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Next Steps

- ▶ Duerson IPPI, LLC representatives to hold discussions with appropriate personnel to review product specifications and discuss ancillary product benefits.
 - ▶ If necessary, conduct test (actual application of product) at location as directed.
 - ▶ Determine further actions to be taken.
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