MATHYS BY RUST-OLEUM

MARTIN MATHYS PEGANOX

DESCRIPTION

A single component, rust preventative water-based acrylic elastomeric coating.

USES

This self priming, high build coating is designed for minimally prepared sound rusted or clean steel in mild to moderate industrial environments. Two coats are required.

APPEARANCE

Satin

PRODUCTS

5 kg.	Description
225321	White
225322	Off White
225323	Green Gray
225324	Black

RECOMMENDED PRIMERS

Peganox is self-priming when applied to minimally prepared clean or rusted steel. Use one of the following primers on very smooth and non-ferrous substrates.

Item #	Description
3202504	3200 System Clear Blue Undercoat
202600	Pegalink

COMPATIBLE TOPCOATS

A topcoat is optional.

High Performance 3700 System DTM Acrylic Enamel
Industrial Choice® 5200 System DTM Acrylic
Sierra Performance™ S-37 MetalMax

PACKAGING

5 kg. pails

CONSUMPTION

One pail will cover approximately 250 sq. ft. @ 3 mils (75µ) dry film thickness.

PRODUCT APPLICATION

SURFACE PREPARATION

ALL SURFACES: Remove all dirt, grease, oil, salt or other contaminants by washing the surface with 3599 Industrial Pure Strength® Cleaner/Degreaser, detergent, or other suitable cleaner. Rinse thoroughly with fresh water and allow to fully dry. Thoroughly cured, hard or glossy previous coatings which are very smooth may require scuff sanding to maximize adhesion.

Hand tool (SSPC-SP-2) or power tool (SSPC-SP-3) clean to remove loose rust, scale and deteriorated coatings to obtain a sound rusted surface. A rusted surface is considered to be sound when rust can no further be removed by scraping the surface by hand using a dull putty knife under moderate pressure.

The surface may also be prepared by the use of High Pressure Water Jetting (HPWJ) in accordance to SSPC-SP-12/NACE 5 to a Visual Surface Preparation Condition of WJ-4.

PRIMING

Normally not required. Exceptions include:
New galvanized steel: Prime with 3202 Clear Blue Undercoat
Smooth metals: Prime with Pegalink

APPLICATION

Apply only when air and surface temperatures are between 46-130°F (8-55°C) and surface is at least 5°F (3°C) above dew point. The relative humidity should not be greater than 80%. The published recoat time may be extended when the relative humidity is greater than 70%. A minimum of two coats are required for a total minimum dry film thickness of 6 mils, (150µ).

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Rev.: 110811

PRODUCT APPLICATION (cont.)

THINNING

Normally not required. Thin 3% with clean fresh water when applying by airless spray and 5% when applying by air atomized spray.

CLEAN UP

Water. Use 3599 Industrial Pure Strength Cleaner and Degreaser or Soap and Water if material begins to dry.

EQUIPMENT RECOMMENDATIONS

BRUSH: Use a good quality synthetic bristle.

ROLLER: Use a good quality synthetic 3/8" nap roller cover.

AIR ATOMIZED SPRAY:

Method	Fluid Tip	Fluid Delivery	Atom Pressure
Pressure	0.055-.0700	8-12 oz./min.	25-50 psi
Siphon	0.055-.0700	—	35-60 psi
HVLP (var.)	0.043-.0700	—	10 psi at tip

AIRLESS SPRAY:

Fluid Pressure	Fluid Tip	Filter Mesh
2,500 psi (min)	0.013-0.017	60

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PHYSICAL PROPERTIES

Resin Type		Water-based acrylic elastomeric
Pigment Type		Titanium dioxide, zinc phosphate
Solvents		Water, Ethylene Glycol
Weight	**Per Gallon**	10.0-10.5 lbs
	Per Liter	1.2-1.3 kg
Solids by	**Weight**	58±3%
	Volume	48±3%
Volatile Organic Compounds		25 g/l (0.21 lbs/gal)
Recommended Dry Film Thickness (DFT) Per Coat		3 mils (75µ) — 2 coats are required
Wet Film to Achieve DFT		6.5 mils (162.5µ)
Theoretical Coverage at 1 mil (25µ) DFT		770 sq. ft./gal. (18.9 m^2/l)
Practical Coverage at 3 mils (75µ) (Assumes 15% material loss)		220 sq. ft./gal. (5.4 m^2/l)
Dry Times at 70°-80°F (21°-27°C) and 50% Relative Humidity	**Tack-free**	1 hour
	Handle	2-3 hours
	Recoat	6 hours
	Full Cure	14 days
Elasticity at 70°F (21°C)		200%
Shelf Life		4 years, in unopened containers properly stored in a cool dry area. Do not allow to freeze.
Safety Information	**Lead Content**	None
	Warning!	**WARNING! HARMFUL OR FATAL IF SWALLOWED. MAY CAUSE RESPIRATORY TRACT, EYE AND SKIN IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION. FOR INDUSTRIAL OR COMMERCIAL USE ONLY. NOT INTENDED FOR RESIDENTIAL USE. KEEP OUT OF REACH OF CHILDREN. REFER TO PRODUCT MATERIAL SAFETY DATA SHEET (MSDS) AND LABEL WARNINGS FOR ADDITIONAL SAFETY INFORMATION.**

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RUST-OLEUM®
INDUSTRIAL BRANDS

Rust-Oleum Corporation
11 Hawthorn Parkway
Vernon Hills, Illinois 60061
An RPM Company

Phone: 877•385•8155
www.rustoleum.com/industrial

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