

MATHYS
BY RUST-OLEUM



MARTIN MATHYS NOXYDE (NOXYDE PLUS)

DESCRIPTION

A single component, rust preventative water-based acrylic elastomeric coating. Noxyde Plus is the lead and chromate free version of Noxyde sold in the U.S. market.

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. It can also be used on concrete and the excellent elongation properties, 200%, makes it suitable for bridging small cracks. Noxyde is not recommended for exposure to most hydrocarbon solvents.

APPEARANCE

Satin

PRODUCTS

Item #	Description
201630	Off White
201631	Blue Gray
201632	Beige Gray
201634	Reseda Green
201638	White
202541	Black
202770	English Red
210120	Brown

RECOMMENDED PRIMERS

Noxyde is self-priming when applied to minimally prepared rusted steel and aged galvanized steel. See PRIMING Section on page 2 for more information.

Item #	Description
3202504	3200 System Clear Blue Undercoat
202600	Pegalink

COMPATIBLE TOPCOATS

A topcoat is optional. Noxyde has a light after tack, which can result in slight dirt accumulation. Topcoat if a higher final gloss is desired.

5200 System High Performance Acrylic
9800 System Urethane Mastic

PACKAGING

20 kg. pails

CONSUMPTION

One pail will cover approximately 470 sq. ft. @ 7 mils (175 μ) 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.

PRODUCT APPLICATION (cont.)

PRIMING

Normally not required. Exceptions include:
 New galvanized steel: Prime with 3202 Clear Blue Undercoat
 Smooth metals: Prime with Pegalink
 Smooth concrete and existing coatings: Prime with Noxyde thinned 20% with fresh water. Apply a tack coat 1.5 mils (37.5µ) dry, 2.5 (62.5µ) wet.

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 14 mils, (350µ).

THINNING

Normally not required. Thin 20% with clean fresh water when using as a prime coat on non-porous or smooth concrete or metal surfaces.

CLEAN UP

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

EQUIPMENT RECOMMENDATIONS

BRUSH: Touch-up and spot priming only. Use a good quality synthetic bristle.

ROLLER: Use a good quality synthetic 1/2" nap roller cover.

AIR ATOMIZED SPRAY: Not recommended

AIRLESS SPRAY:

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

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	62±3%
	Volume	55±3%
Volatile Organic Compounds		5 g/l (0.04 lbs/gal)
Recommended Dry Film Thickness (DFT) Per Coat		7 mils (175µ) per coat — 2 coats are required
Wet Film to Achieve DFT		12 mils (300µ)
Theoretical Coverage at 1 mil (25µ) DFT		880 sq. ft./gal. (21.6 m ² /l)
Practical Coverage at 7 mils (175µ) (Assumes 15% material loss)		110 sq. ft./gal. (2.7 m ² /l)
Dry Times at 70°-80°F (21°-27°C) and 50% Relative Humidity	Tack-free	2 hours
	Rain Resistant	3 hours
	Handle	2-4 hours
	Recoat	4 hours with itself, 16 hours for other finish coats
	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	Flash Point	None
	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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