

**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
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. 3202 Clear Blue Undercoat. 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
PHYSICAL PROPERTIES (Calculated values are shown and may vary slightly from the actual manufactured material)	
RESIN TYPE	Water-based acrylic elastomeric
PIGMENT TYPE	Titanium Dioxide, Zinc Phosphate
SOLVENTS	Water, Ethylene Glycol
WEIGHT PER GALLON	10.0-10.5 lbs.
WEIGHT PER LITER	1.2-1.3 Kg
SOLIDS BY WEIGHT	62 ±3%
SOLIDS BY VOLUME	55 ±3%
VOLATILE ORGANIC COMPOUNDS	5 g/l (0.04 lbs/gal)
RECOMMENDED DRY FILM THICKNESS (DFT)	7 mils, 175µ, per coat (two coats are required)
WET FILM TO ACHIEVE DFT	12 mils, 300µ
THEORETICAL COVERAGE	880 sq ft/gal, 21.6 m ² /L, @ 1 mil (25µ) DFT
PRACTICAL COVERAGE (Assumes 15% material loss)	110 sq ft/gal, 2.7 m ² /L, @ 7 mils (175µ) DFT
DRY TIMES @ 70-80°F (21-27°C) AND 50% RH	
TACK FREE	2 hour
RAIN RESISTANT	3 hours
HANDLE	2-4 hours
RECOAT	4 hours with itself, 16 hours for other finish coats
FULL CURE	14 days
ELASTICITY @ 70°F (21°C)	200%
SHELF LIFE	4 years, in unopened containers properly stored in a cool dry area. Do not allow to freeze.

PACKAGING	20Kg pails.
CONSUMPTION	One pail will cover approximately 470 sq ft @ 7 mils (175µ) dry film thickness.
SURFACE PREPARATION All Surfaces	<p>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.</p> <p>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.</p> <p>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.</p>
PRIMING	<p>Normally not required. Exceptions:</p> <p>New galvanized steel: Prime with 3202 Clear Blue Undercoat</p> <p>Smooth metals: Prime with Pegalink</p> <p>Smooth concrete and existing coatings: Prime with Noxyde thinned 20% with fresh water. Apply a tack coat 1½ mils (37.5µ) dry, 2½ (62.5µ) wet.</p>
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 (Comparable Equipment Also Suitable).

BRUSH	Touch-up and spot priming only. Use a good quality synthetic bristle		
ROLLER	Use a good quality synthetic ½ inch nap roller cover.		
AIR ATOMIZED SPRAY	Not recommended		
AIRLESS SPRAY	Fluid Pressure 2,500psi (min)	Fluid Tip 0.013-0.017	Filter Mesh 60

SAFETY INFORMATION	Flashpoint: None
	Lead Content: None

**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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