

**RUST-OLEUM®**  
— INDUSTRIAL —



**NOXYDE® PLUS**

## Ultimate water-based corrosion protection



- Superior adhesion
- Flexible one pack coating
- High dirt pick up resistance
- 200% elastic coat does not crack or peel
- Excellent coverage of nuts, bolts and welds

**KNOW-HOW TO PROTECT™**

**WWW.RUST-OLEUM.EU**

# NOXYDE® PLUS

## DESCRIPTION

Single pack water-based elastomeric coating based on a silane modified acrylic binder with superior adhesion and corrosion protection. The product contains anti-corrosion pigments and is lead, chromate and zinc free.

## RECOMMENDED USE

- On iron, steel, special alloys, galvanised and metallised iron and steel, aluminium, copper, zinc, lead, etc. as rust prevention or waterproofing. For outside and inside use.
- Diluted with 25% water as an adhesion primer coat on slightly or non porous substrates such as glass, smooth bricks and concrete, ceramics, tiles, etc.

## TECHNICAL DATA

Density (g/cm <sup>3</sup> ):	1,25
Gloss Level:	Satin
Gloss level at 60°:	24%
Solids Content in weight:	66%
Solids content in volume:	46%
Salt Spray Resistance:	1.248h salt spray resistance ISO 9227:2017
Test data:	<b>ABRASION RESISTANCE, METHOD: ASTM D4060 (CS-17 / 1,000g / 1,000 cycles)</b> RESULTS: 61 mg loss (Avg.) <b>IMPACT RESISTANCE, METHOD: ASTM 2794</b> RESULTS: Direct: 33.9 Nm (300 in-lbs.) Indirect: 22.6 Nm (200 in-lbs.) <b>FLEXIBILITY, METHOD: ASTM 522 (Conical Mandrel)</b> RESULTS: 52% (Avg.) <b>INITIAL ELONGATION, METHOD: ASTM D638</b> Averaged over 5 tests on films of 2-coats @ 7 mils (175µ) each, cured for 14 days RESULTS: @ 23°C. (73°F.): 254% @ 32°C. (90°F.): 7.2% <b>INITIAL TENSILE STRENGTH, METHOD: ASTM D638</b> Averaged over 5 tests on 2-coats @ 7 mils (175µ) each, cured for 21 days RESULTS: @ 23°C. (73°F.): 4.98N/mm <sup>2</sup> (722.3 psi) @ 32°C. (90°F.): 18.7 N/mm <sup>2</sup> (2,712.2 psi) <b>ADHESION, PULL-OFF, METHOD: DIN ISO 4624 /ASTM D4541 (SP-10 / Sa 2.5)</b> RESULTS: 5.2 MPa (754 psi) *Averaged over 9 tests on 2-coats @ 7 mils (175µ) each, cured for 42 days <b>SALT SPRAY, METHOD: DIN EN ISO 9227 (ASTM B117) @1,248 hours (SP-10 / Sa 2.5)</b> RESULTS: Blistering: 0 (None) Rusting: 0 (None) Delamination: 0 (None) Corrosion: <0.5mm

## DRY TIMES BY 20° C/RH 50%

Touch dry:	1hr and 20 minutes
Dry to handle:	2 hours and 45 minutes
Dry to recoat:	24 hours
Fully cured:	2 weeks

## RECOMMENDED WET FILM THICKNESS

380 µm

## RECOMMENDED DRY FILM THICKNESS

175 µm

## THEORETICAL CONSUMPTION

Brush/Roller - 240 - 360 g/m<sup>2</sup>/coat  
Airless - 360 - 600 g/m<sup>2</sup>/coat  
Total consumption for optimal rust preventive protection 950 g/m<sup>2</sup> (in minimum 2 coats) = 350 µm dry film thickness

## PRACTICAL CONSUMPTION

Practical coverage depends on many factors such as porosity and roughness of the substrate and material losses during application.

## SURFACE PREPARATION

Remove grease, oil and all other surface contaminations by alkaline or high pressure (steam) cleaning (max. 200 Bars) in combination with appropriate detergents. The substrate has to be dust free and made rust free by means of sandblasting (Sa2), manual cleaning (St2) or high pressure water jetting (min. 600 Bars). After jetting, the substrate has to be dust free. On new galvanised surfaces, new zinc, aluminium, stainless steel, apply first a coat of Pegalink or PVDF Primer. On ferrous substrates, apply Noxyde Plus in red or grey as the first coat. In all instances apply contrasting Noxyde Plus colours for subsequent layers.

## DIRECTIONS FOR USE

To ensure homogeneity, coating materials should be thoroughly stirred mechanically prior to use.

## APPLICATION CONDITIONS

Temperature of air, substrate and coating material between 8 and 35°C.  
Air humidity max. 80% R.H.  
The substrate temperature must be at least 5°C above dew point.

## APPLICATION & THINNING: BRUSH

Undiluted as a rust preventive paint. Diluted with up to 25% volume water as an adhesion primer (consumption about 120 g/m<sup>2</sup> - max. 100 µm wet film thickness - 20 µm dry film thickness)

## APPLICATION & THINNING: ROLLER

Undiluted as a rust preventive paint. Diluted with up to 25% volume water as an adhesion primer (consumption about 120 g/m<sup>2</sup> - max. 100 µm wet film thickness - 20 dry film thickness)

Date issued: 06/02/2026

**Available colours & pack sizes:** Please refer to the respective product page on [www.rust-oleum.eu](http://www.rust-oleum.eu) for an overview of actual available colours and pack sizes.

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## APPLICATION & THINNING: AIRLESS SPRAY

Undiluted. Nozzle: 15 - 19 / Pressure: min. 170 bars. Nozzle and pressure can vary depending on the type of substrate, equipment and the experience of the applicator. Put a thin layer of water on top of the paint to prevent skinning.

## CLEANING OF EQUIPMENT / SPILLS

Water

## REMARKS

When used for interior works, provide for adequate ventilation. during work stoppage, fully immerse brush or nozzle in water. Product is recoatable after 24 hours with itself. Compatible topcoats: Coating PRT, Alkythane 7500, Metal Cladding Topcoat, Paracem range, Pegacryl Satin, Zinsser Alcoat Exterior. Do not apply outside if rain is expected within 24 hours. Maximum wet film thickness: 600µm. For any information regarding options of guarantee with this system, please contact Technical Service.

## TEST DATA

### ABRASION RESISTANCE, METHOD: ASTM D4060 (CS-17 / 1,000g / 1,000 cycles)

RESULTS: 61 mg loss (Avg.)

### IMPACT RESISTANCE, METHOD: ASTM 2794

RESULTS: Direct: 33.9 Nm (300 in-lbs.)

Indirect: 22.6 Nm (200 in-lbs.)

### FLEXIBILITY, METHOD: ASTM 522 (Conical Mandrel)

RESULTS: 52% (Avg.)

### INITIAL ELONGATION, METHOD: ASTM D638

Averaged over 5 tests on films of 2-coats @ 7 mils (175µ) each, cured for 14 days

RESULTS: @ 23°C. (73°F.): 254%

@ 1°C. (32°F.): 7.2%

### INITIAL TENSILE STRENGTH, METHOD: ASTM D638

Averaged over 5 tests on 2-coats @ 7 mils (175µ) each, cured for 21 days

RESULTS: @ 23°C. (73°F.): 4.98N/mm<sup>2</sup> (722.3 psi)

@ 1°C. (32°F.): 18.7 N/mm<sup>2</sup> (2,712.2 psi)

### ADHESION, PULL-OFF, METHOD: DIN ISO 4624 /ASTM D4541 (SP-10 / Sa 2.5)

RESULTS: 5.2 MPa (754 psi) \*Averaged over 9 tests on 2-coats @ 7 mils (175µ) each, cured for 42 days

### SALT SPRAY, METHOD: DIN EN ISO 9227 (ASTM B117) @1,248 hours(SP-10 / Sa 2.5)

RESULTS: Blistering: 0 (None)  
Rusting: 0 (None)  
Delamination: 0 (None)  
Corrosion: <0.5mm

## SAFETY DATA

VOC level: 45g/l  
VOC readymix: 45g/l  
VOC category: A/i  
VOC limit: 140g/l  
Remarks regarding safety: Consult Safety Data Sheet and Safety Information printed on the can.

## SHELF LIFE

Minimum of 4 years from date of production in unopened cans, if stored in dry, well ventilated areas, not in direct sunlight at temperatures between 5 and 35°C.

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