

Proper water supply?

Yes	No
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Within shelf life?

Yes	No
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OxNot Gel Physical Data

OxNot Gel is supplied as a white powder in plastic bags and packaged in plastic pails. Each bag makes one (1) or five (5) gallons of usable material as indicated on the bag label. OxNot Gel must be mixed with **activated carbon filtered, or reverse osmosis processed, chemical-free water** prior to use. Shelf life for OxNot Gel powder in unopened original containers, when stored under 100° F. (38° C.) is minimum one year from date of purchase.

Right amount of gel?

Yes	No
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OxNot Gel Theoretical Coverage

100 ft²/US gallon at 16 mils WFT. **Be sure to allow for normal loss factors** during mixing, handling and application **when estimating practical coverage.**

Proper water type?

Yes	No
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Uniform gel formed?

Yes	No
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Proper mixing pail?

Yes	No
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OxNot Gel Mixing

For 5-gallon kits, empty one 5-gallon bag into a clean 5-gallon pail filled with 2½ gallons activated carbon filtered, RO, or chemical free water. **Do not use galvanized pails or buckets. Blend with a powered Jiffy mixer-style mixing tool until all white granules have dissolved, the mixed liquid is clear and lump-free, and a gel forms.** Add 2 to 2¼ gallons of **activated carbon filtered, RO, or chemical free water** and blend all materials until completely mixed. **Continue mixing as needed until the mixed material forms a gel.** Mixed kit should produce about 4¾ gallons gel. **Do not overfill the mixing pail or bucket.** For 1-gallon kits, use a 1-gallon bag of OxNot Gel, one gallon of activated carbon filtered, RO, or chemical free water, and the same mixing process. Mixed kit should produce ¾ to 1 gallon gel.

Sufficient induction time?

Yes	No
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Proper water type?

Yes	No
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Covered pail?

Yes	No
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OxNot Gel Induction Time

At temperatures between 32° F. (0° C.) and 50° F. (10° C.) allow one hour induction time; at temperatures between 50° F. (10° C.) and 70° F. (21° C.) allow 30 minutes induction time. To eliminate induction time, use activated carbon filtered, RO, or chemical free water at or above 70° F. (21° C.). If OxNot Gel does not gel while mixing, simply allow additional induction time until gelling occurs. Cover pail or bucket of mixed OxNot Gel to prevent cross contamination.

Correct amount mixed?

Yes	No
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Within pot life?

Yes	No
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OxNot Gel Working Pot Life

8 hours at 85° F. (29° C.) or as long as OxNot Gel material remains gelled. Mix only as much **OxNot Gel** as required for one day's application. Mixed OxNot Gel which is beyond pot life and has lost its gel may still be used for "Bump Coat" (see below) or for preparation of horizontal surfaces

Bump Coat needed?

Yes	No
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Coat #1 WTF met?

Yes	No
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Coat #1 dried?

Yes	No
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Coat #2 WFT met?

Yes	No
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Rinsed off before fully dry?

Yes	No
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Correct Rinse start/stop points?

Yes	No
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OxNot Gel “Bump Coat”/Hot SurfaceSpecial Application Procedure

Two-coat “Bump Coat” application process may be needed if substrate temperatures are above 100° F. (38° C.), air temperature and wind are both very high, when gel is allowed to dry on surfaces, hot surface temp prohibits adequate dwell time, or for very high contamination areas. OxNot Gel ”Bump Coat: process: Apply **6 to 8 mils WFT** of OxNot Gel to the surface. **Allow drying.** Once this thin coat of OxNot Gel has dried, apply a second, “Bump Coat,” of OxNot Gel over the dry first coat of OxNot Gel, at an additional **6 to 8 mils WFT.** **Allow the “Bump Coat” to dry.** As soon as the second, “Bump Coat,” of OxNot Gel begins drying, rinse the prepared surface with OxNot Rinse, as detailed in the OxNot Rinse instructions. **Start OxNot Rinse at the same area where application of “Bump Coat” was initiated, and work in the same direction.**

OxNot Gel Clean Up

P2 flush accomplished?

Yes	No
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Clean after each use. Do not allow OxNot Gel to remain in hoses, gun or spray equipment for extended periods of time. To clean up, flush all equipment with properly diluted OxNot Rinse. Collection and disposal of cleanup waste must be done in accordance with all local, State, Federal and other ordinances.

Proper dsposal?

Yes	No
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Proper airless sprayer?

Yes	No
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Proper conventional sprayer?

Yes	No
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Proper brush/roller?

Yes	No
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WFT min. met?

Yes	No
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Suitable WAVB?

Yes	No
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OxNot Gel Application Equipment

Recommended airless sprayer equipment for OxNot Gel: Airless sprayer, 25:1 or larger, new, or clean hoses and gun, .015 to .025 wide fan tip. Recommended conventional spray equipment for OxNot Gel: Conventional spray pot with disposable plastic liner, new or clean hoses and gun, needle and tip suitable for spraying high solids, high build epoxy. 20-35 PSI minimum pot pressure and sufficient atomization pressure is needed to produce a uniform fan. Brush or roller application may be used for small areas or where spray application is not allowed. Use rollers and brushes suitable for waterborne paint application, being careful to reach recommended WFT. Hand sprayers may be used for very small projects. Immersion application may be used for small, complex shaped pieces. OxNot Gel may be applied using wet abrasive vapor blast (WAVB) equipment following a wet abrasive blast surface preparation process, where the wet abrasive vapor blast equipment is compatible. Contact CLEANWIRX™ for further information and technical advice.

Correct WFT?

Yes	No
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OxNot Gel Application Instructions

Apply OxNot Gel to all areas to be P1-Gared. **Apply 12 to 16 mils WFT, using a paint wet mil gauge to check proper applied WFT. Do not apply to excessive thickness** – properly gelled OxNot Gel resists sagging, so this cannot be used as an indicator of correct applied WFT. Do not apply less than 12 mils WFT of OxNot Gel unless using the two-coat “Bump Coat” System described below. Applied OxNot Gel may change color from surface contaminants.

Proper dwell time?

Yes	No
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OxNot Gel Dwell Time

Dwell Time” is the length of time required after application for OxNot Gel to clean and stabilize the surface. **Minimum Dwell Time at 70° F. (21° C.) is one half hour. Additional dwell time may be required and is recommended for removal of mill scale from surfaces, for badly contaminated surfaces, for very deep anchor profiles, or for colder surface temperatures.** There is no maximum dwell time; OxNot Gel may be left on surfaces indefinitely. However, **activity of OxNot Gel stops once the applied material on a surface dries out.** Dried gel will be difficult to rinse off, especially in less assessible areas. Allowing gel to dry may affect overall results. See below for recommendations for application to hot substrates, where OxNot Gel would dry out in less than one half hour.

Gel dried out?

Yes	No
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More dwell time needed?

Yes	No
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Rain out event?

Yes	No
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OxNot Gel Rain-Out

Rain, drizzle, heavy dew or any other source of water on the surface of newly applied OxNot Gel will reduce the effectiveness of OxNot Gel even if the gel is not completely rinsed off the surface. If newly applied OxNot Gel is **contaminated by rain or another source of water, simply allow the surface to dry and then reapply OxNot Gel.**

Reapplied?

Yes	No
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Yes	No
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Within shelf life?

Yes	No
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OxNot Rinse Physical Data

OxNot Rinse is a clear liquid concentrate supplied in five (5) gallon pails and one (1) gallon jugs. Five (5) gallon container of OxNot Rinse concentrate makes 500 gallons of useable product when properly mixed with **activated carbon filtered, RO, or chemical free water**. 1-gallon jug of OxNot Rinse concentrate makes 100 gallons of useable product. **Mixing ratio: 0.8:100 to 1.2:100. 1:100 ratio recommended.** **Shelf life** for OxNot Rinse in unopened original containers, when stored under 100° F. (38° C.) is **minimum one year from date of purchase.**

Proper water supply?

Yes	No
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Tank contamination?

Yes	No
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OxNot Rinse Mixing

Pour one (1) 5-gallon jug of OxNot Rinse into a **new or clean plastic tank containing approximately 500 gallons of activated carbon filtered, RO, or chemical free water** (NOTE: If a cleaned tank previously used for other purposes will be employed, we recommend **treating water with chlorine dioxide** to eliminate potential organic interferents.) Mix OxNot Rinse concentrate and water well. **Cover to prevent contamination.** There is no induction time.

Right amount of rinse?

Yes	No
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OxNot Rinse Theoretical Coverage

200 ft²/US gallon US gallon of mixed diluted OxNot Rinse. Allow for normal loss factors during mixing, handling and application when estimating practical coverage.

Within pot life?

Yes	No
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OxNot Rinse Pot Life

Minimum 30 days when stored under 100° F. (38° C.). Mix only as much OxNot Rinse as needed for the project; remainder **may be used within 30 days after mixing.**

Proper equipment?

Yes	No
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Proper water type?

Yes	No
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Clean equipment used?

Yes	No
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Test/detail rinse?

Yes	No
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OxNot Rinse Application Equipment

(PREFERRED) OxNot Rinse may be applied using **wet abrasive vapor blast equipment** where equipment is compatible. Contact CLEANWIRX™ for further information and technical advice. (STANDARD) **low pressure (2000-5000 PSI) power washer**. Flush pressure washer with potable water then with a single rinse of activated carbon filtered, RO, or chemical free water if the power washer has previously been used to dispense chemicals or soap. Use a medium width fan tip or a swirl tip and hold the tip close to the surface being rinsed. (MINIMUM) **Airless sprayer**. If airless spray equipment, hoses and gun have been used previously for applying paint, **flush with strong solvent, then with activated carbon filtered, RO, or chemical free water and last with a single rinse of activated carbon filtered, RO, or chemical free water. When possible, use new fluid hose.** Use a large wide-fan tip, and hold the gun close to the surface being rinsed. Test spots or remove gel from small, detail or inaccessible areas using OxNot Rinse in a hand spray bottle, or by scrubbing with a clean scrub brush dipped in OxNot Rinse and then rinsing the area thoroughly with additional OxNot Rinse.

Gel residue removed?

Yes	No
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OxNot-only rinse?

Yes	No
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OxNot Rinse Application

Continue pressure rinsing until all OxNot Gel residues has been removed from the surface. Do not leave OxNot Gel residue on rinsed surface. Additional washer pressure does not improve removal. Do not paint surfaces prepared that have not been properly rinsed with OxNot Rinse. Do not rinse surfaces prepared with OxNot Gel with tap water or with anything other than properly diluted OxNot Rinse.



**SURFACE PREP
STANDARDS**

**SP1
Solvent Cleaning**

**SP 2
Hand Tool
Cleaning**

**SP 3
Power Tool
Cleaning**

**SP 5
(NACE No. 1)
White Metal
Blast Cleaning**

**SP 6
(NACE No. 3)
Commercial B
last Cleaning**

**SP 7
(NACE No. 4)
Brush-off Blast
Cleaning**

**SP 10
(NACE No. 2)
Near-White Metal
Blast Cleaning**

**SP 11
Power Tool
Cleaning to
Bare Metal**

**SP COM
Surface
Preparation
Commentary for
Steel and
Concrete
Substrates**

INSPECTION CONSIDERATIONS

Final Appearance

After drying, carbon steel surfaces prepared with OxNot Gel and rinsed with OxNot Rinse may exhibit a wide variety of appearances, from a bright mirror-like finish to a dull gray appearance. Some streaking, spotting and color variation may occur.

Visual Variance

Such variation is normal and depends on the age and composition of the steel, corrosion state, method of surface preparation, anchor profile (if any), spray pattern, temperature/heat affected metal zones, anomalies in substrate and blast grit type.

Such variation is normal and depends on the age and composition of the steel, standing time after blast, corrosion state, method of surface preparation, anchor profile (if any), weld pattern, blast pattern, spray pattern and "feathering", spray overlap, anomalies in substrate and other factors. Overlapped areas using this acid base wet process (OxNot Gel) will logically exhibit variations in hues due to different degrees of etching.

In addition, OxNot deep cleaning reveals stains and shadows existing in metals that exist, but remain visually undetected, after other cleaning methods. Visual stains and shadows may be touched up with detail work. Expect 1% of visual variance to remain after touch up, due to metal anomalies.

Confirming Hygiene Results

Relying on visual verification is unreliable in standard procedures due to the inability to visually verify the absence or presence of invisible contaminants. When verifying the OxNot Gel system performance, visual standards are extremely unreliable. We recommend testing the surface for residual salts using a qualitative or quantitative iron chloride reactive testing or similar testing system to confirm the effectiveness of the OxNot Gel System. Potassium ferricyanide or ferrous ion test kits may also be used.

Equipment flushed?

Yes	No
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Proper disposal?

Yes	No
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Oxnot Rinse Cleanup

Thoroughly flush all equipment with potable water according to normal maintenance procedures. Collection and disposal of cleanup waste must be done in accordance with all local, State, Federal and other ordinances.

Surface dried?

Yes	No
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Contamination controlled?

Yes	No
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Same-day coating?

Yes	No
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OxNot Rinse Drying Time

Dry to touch within 20 – 30 minutes depending on relative humidity, wind and air movement, air temperature and substrate temperature. In cool, humid conditions, increasing airflow over the substrate may reduce drying time. Be careful not to contaminate the surface. OxNot Rinse treated surfaces may be painted as soon as the substrate is fully dries. OxNot Rinse prepared surfaces will not “rust back” or “flash rust,” but atmospheric contaminants may settle on the OxNot Gel prepared surface if left exposed and unpainted. Treat only areas which can be coated soon after the substrate is dry, preferably during the same shift or the same workday.

GENERAL INFORMATION

Harmless to Coatings

The OxNot System does not soften, degrade, remove or otherwise affect intact old coatings. The OxNot System, when used within recommended dwell times, has no detrimental effect on galvanizing, inorganic zinc coating or thermal spray metal coatings.

Training & Technical Service

Applicator training and on-site technical service may be offered on an as-needed basis. Contact your local distributor for information about customer initiated, paid technical service.

All information contained herein, including coverage’s and equipment recommendations is based on current best practices, may vary, and is dependent on various factors including application methods and condition of surfaces to be treated. Consult CLEAN-WIRX™ for additional information. The OxNot Gel System is recommended for use by trained professional applicators.