



**NEVERWET®  
OLEOPHOBIC TOPCOAT**

**DESCRIPTION**

Rust-Oleum® NeverWet™ Oleophobic Topcoat is a superhydrophobic and oleophobic coating system that creates a protective treatment to repel water and oils from treated surfaces. This revolutionary coating keeps assets clean and dry from the harmful effects of water and oils. NeverWet can be used on metal, concrete, masonry, wood, and more.

The two part system requires separate base coat and topcoat applications. The clear coating dries to a flat, light haze. This product is intended for air atomized spray application only using proper respiratory equipment in industrial and OEM applications. NOT FOR CONSUMER USE.

NeverWet Oleophobic Topcoat resists most oils and maintenance chemicals such as hydraulic oil, machine oils and motor oils. Some heavier oils may not be repelled. Please test on an inconspicuous area prior to application.

NeverWet Oleophobic Topcoat can be used on motor casting and equipment housings to repel oils, but it should not be applied to gears, drive belts, pulleys, or any other type of drive train or moving parts.

**PRODUCTS**

SKU	Description
282901	1-Gallon Topcoat
282902	5-Gallon Topcoat
282903	55- Gallon Topcoat
275636	1-Gallon Basecoat
284471	2-Gallon Kit

**RESPIRATORY PROTECTION REQUIREMENTS**

Users of NeverWet Oleophobic in industrial/OEM applications must use one of the following forms of respiratory protection.

- A. NIOSH approved Category 19C Type C supplied-air respirator operated in pressure demand or continuous flow mode and equipped with a tight fitting face piece.
- B. NIOSH approved Category 23C air-purifying respirator equipped with a full face piece and organic gas/vapor cartridges.
- C. NIOSH Category 23C powered air-purifying respirator equipped with a full face piece and organic gas/vapor cartridges.

See Material Safety Data Sheet for complete safe handling directions.

**PRODUCT APPLICATION**

**SURFACE PREPARATION**

Surfaces must be dry, clean and free of dirt, oil, grease, wax, dust, chalk, rust or any other contaminants that may prevent proper adhesion. Remove all loose or peeling paint. Plaster, concrete block, concrete and masonry surfaces must be cured. Remove all form release and curing agents.

**APPLICATION**

Mix basecoat thoroughly with a powered mixer or paint shaker. Stir often during use. Thoroughly shake topcoat before use. Remove lid with care. Apply only when air and surface temperatures are between 50-90°F (10-32°C) and the relative humidity is not greater than 85%. Dry times may be affected by extremely high or low relative humidity. Best results are achieved by spray application detailed in the following chart.

Base Coat - Spray apply a continuous wet film free from sags and runs. Wait 45 minutes.

Topcoat – Spray apply several light coats until a cloudy, slightly hazy film is evident. Water repellency will start after 30 minutes with optimum performance after 12 hours.

**EQUIPMENT RECOMMENDATIONS**

AIR-ATOMIZED SPRAY:

Equipment	Tip Size	Air Pressure	Pot Pressure	Delivery Rate
Siphon Feed	0.055	45 psi	NA	10 fluid oz./min.
Gravity Feed	0.055	45 psi	NA	10 fluid oz./min.
HVLP Siphon	0.055	50 psi	NA	4 fluid oz./min.
Pressure Feed	0.055	45 psi	5 psi	12 fluid oz./min.

**THINNING**

DO NOT THIN.

**CLEAN UP**

Use soap and water immediately after use. Flush spray lines **immediately** with water, followed by Rust-Oleum Thinner #160402, mineral spirits or Pure Strength 3599 Cleaner/Degreaser.

**TECHNICAL DATA****NEVERWET™ OLEOPHOBIC TOPCOAT****PHYSICAL PROPERTIES**

		<b>Base Coat</b>	<b>Topcoat</b>
<b>Composition</b>		Hydrocarbon	NA
<b>Pigment Type</b>		NA	NA
<b>Solvents</b>		Naphtha and Ester solvents	Acetone
<b>Weight</b>	<b>Per Gallon</b>	10.8 lbs.	6.7 lbs.
	<b>Per Liter</b>	1.3 kg	0.80 kg
<b>Solids</b>	<b>By Weight</b>	9.2%	2%
	<b>By Volume</b>	13%	0.7%
<b>Volatile Organic Compounds</b>		0 g/l	0 g/l
<b>Recommended Dry Film Thickness (DFT) per Coat</b>		NA	NA
<b>Wet Film to Achieve DFT (unthinned material)</b>		Apply material until a visual sag free film is evident	Apply 2-4 light coats until a cloudy, slightly hazy film is evident
<b>Theoretical Coverage at 1 mil DFT (25µ)</b>		192 sq.ft./gal. (4.7 m <sup>2</sup> /l)	112 sq.ft./gal. (2.7 m <sup>2</sup> /l)
<b>Practical Coverage at Recommended DFT (assumes 15% material loss)</b>		200-300 sq.ft./gal.	200-300 sq.ft./gal.
<b>Dry Times at 70-80°F (21-27°C) and 50% Relative Humidity</b>	<b>Touch</b>	45 minutes	15 minutes
	<b>Handle</b>	4 hours	4 hours
	<b>Recoat</b>	15 minutes (with itself)	1 minute (with itself)
<b>Dry Heat Resistance</b>		230°F (140°C)	230°F (140°C)
<b>Shelf Life</b>		2 years	2 years
<b>Flash Point</b>		109°F (43°C)	-4°F (-20°C)
<b>Safety Information</b>		For additional information, see MSDS	

Calculated values are shown and may vary slightly from the actual manufactured material.

The technical data and suggestions for use contained herein are correct to the best of our knowledge, and offered in good faith. The statements of this literature do not constitute a warranty, express, or implied, as to the performance of these products. As conditions and use of our materials are beyond our control, we can guarantee these products only to conform to our standards of quality, and our liability, if any, will be limited to replacement of defective materials. All technical information is subject to change without notice.



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