

# WohlCoatings WB-300 Series Black

## Water Based Black Pipe Coating / Mill Lacquer Product Data Sheet

**Features:** A fast-drying, glossy finished water based anti-corrosive coating for superior protection of steel pipe. It can be applied over properly prepared new and reconditioned pipe. **Typical Uses:** Excellent exterior durability, impact resistance and adhesion for line pipe, drill pipe, casing pipe, tubing and structural steel. Excellent long term protection for stored pipe.

### Physical Data:

Pencil Hardness (ambient cure)	B
Adhesion (ASTM D 4541)	300 psi Temperature resistance (non-immersion)
Continuous	250°F
Non-continuous	300°F
Theoretical volume solids by weight of mixed material	28.2%
Theoretical coverage of mixed gallon (1 mil wet)	785 sq. ft.

**Resistance:** WB-300 Series Black Water Based Coating is designed for exposures to mild chemical fumes under typical atmospheric conditions.

Exposure	Immersion	Splash & Spillage	Fumes
Acidic	Not recommended	Poor	Fair
Alkaline	Not recommended	Poor	Fair
Solvents	Not recommended	Fair	Good
Salt water	Not recommended	Good	Good+
Water	Not recommended	Good	Good+

**Film Thickness:** Two coats are recommended over properly prepared steel substrates.

Dry film thickness	1 mil
Wet film thickness	2.2 mil
Theoretical coverage	357 sq. ft. @ 1 mil DFT

**Substrates:** WB-300 Series Black Water Based Pipe Coating may be applied directly to properly prepared steel substrates and weathered galvanized steel. Apply 2-3 coats to reach recommended dry mils.

**Color Options:** Black, Clear, Ghost

### Shipping Data:

Packaging unit	275 gal Tote/55 gal Drum/ 5 gal Pail
Shipping weight (approx.) package unit	2531 lbs Tote/519 lbs Drum/ 43.75lbs Pail
Flash Point	>204°
Shelf Life	1 year when stored inside at 55°F to 70°F.
DOT Classification	NOT REGULATED

**Surface Preparation:** WB-300 Series Black Water Based Pipe Coating is designed to be used over surfaces that have been prepared in accordance with SSPC-SP2 Hand Tool Clean specification. In many cases High Pressured Water Blast will suffice. Increased performance can be obtained by applying 2 to 3 coats of WB-300 Series Black.

**Mixing:** Mix WB-300 Series Black Water Based Pipe Coating for 5-15 minutes prior to application. **This coating must be MIXED WELL prior to application.** Mix with an air mixer, an Indco brand or similar ½ HP Electric TEFC Direct Drive 275 Gallon IBC Tote Mixer, an Indco brand or similar ¾ HP Air Direct Drive IBC Tote Lid Mixer or talk to your sales representative for further mixing options. Mixing by hand is not sufficient to properly integrate all of the components in this coating.

**Thinning: DO NOT THIN.** Dilution of this product with water will reduce the quality and coatings effectiveness to perform. **DO NOT** use any solvent base thinners.

**Application:** Make sure surface is clean, dry and free of dirt, debris, contamination and/or any oil based products. Mix well 5-15 minutes before each application. When using an air or airless sprayer, make sure recommended tip size is used and the nozzle is 12-18 inches away from surface when applying. (See Application Equipment Section) Apply between 1.5 and 2.5 wet mils per coat. Minimum 2 coats recommended and 2-3 dry mils for best results. Each coat of Ghost will darken so it is recommended to use 1 coat of Ghost and 1-2 coats of Clear. Do not let pipe touch during drying process and keep water from coming in contact with pipe while coating is curing. Allow product to dry before rolling pipe for additional coating.

**Application Conditions:** Surface temperatures and air temperatures must remain above 40F for 2 hours after application for proper film formation. High humidity and dew point can affect dry times.

	Material	Surface	Ambient
<b>Minimum</b>	40°F	40°F	40°F
<b>Maximum</b>	120°F	120°F	120°F

**Application Equipment:**

Conventional Spray	Industrial sprayers such as DeVilbiss MBC or JGA and Binks 18 or 62 having double regulated pressure pot, 3/8" I.D. minimum material hose and a .070" I.D. fluid tip and air cap are recommended.
Airless Spray	Sprayer such as a Graco model. Tip sizes recommended: 215, 315, 415, 417, 515 or 517.
Brush or Roller	Use medium brush and short nap roller.

**Drying Time:** The following minimum times are based on 1.0 mil DFT and adequate air ventilation. Higher thickness and reduced air circulation increase drying times.

Surface Temperature	To Touch <sup>70</sup>	To Handle	To Recoat
70°F	5-10 min.	30 min.	1 Hour

**Maximum Recoat:** WB-300 Series Black

Water Based Pipe Coating can be recoated with itself at any time by simply removing dirt and contamination of the existing coating. Recommended application is 2-3 coats of WB-300 Series Black.

**Cleanup:** Cleanup spill splatters and equipment using water. Do not allow material to dry on equipment. Clean immediately after spraying is finished by flushing the pump, lines and spray nozzle with water. **DO NOT** use any solvent base chemicals to clean equipment.

**Storage:** Recommended stored in covered area or inside above 55°. Keep container out of direct sun exposure above 100° for long periods of time. Do not allow water to puddle on top of containers. Container should be sealed tightly as evaporation of certain components may occur and change PH and viscosity, effecting performance.

**UV and Salt Spray Lab Test Results:**

Panel ID	dL*	da*	db*	dE*	60° gloss retention
Black	-0.32	0.10	-0.03	0.33	92.6%
Clear	-1.29	-1.36	7.37	7.60	87.5%
Ghost	-0.22	-0.18	0.73	0.79	97.9%

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NOTE: Water Based Product Read and follow all caution statements on this product data sheet and on the Material Safety Data Sheet for this product. HEALTH: In confined spaces workers must wear fresh airline respirators. WARRANTY: Any recommendation of Wohl Coatings contained herein, covering use, utilization, chemical or physical properties and other qualities of the products sold is believed reliable; however Wohl Coatings makes no warranty or representation with respect thereto. Use or application is at the discretion of the Buyer without liability or obligation whatsoever of Wohl Coatings.