

Water Based Clear or Black Pipe Coating

Features

- A water based coating for good protection of steel. Available in Clear or Black. The clear can be applied over lightly rusted pipe to allow for easier reading of codes and markings on the pipe. Can be applied to new and reconditioned pipe.

Typical Uses

Excellent exterior durability and adhesion over most metal, wood, and concrete surfaces.

Physical Data

Pencil Hardness (ambient cure)	Soft to 4B	Theoretical volume solids of mixed material	20%±1%
Adhesion (ASTM D 4541)	300 psi	Theoretical coverage of mixed gallon (1 mil)	320 sq. ft.
Temperature resistance (non-immersion)		Volatile Organic Content	
Continuous	250°F	Unthinned ready to apply (less water)	1.94 lbs./solid gal.
Non-continuous	300°F		

Resistance

DD-59 Water Based Coating is designed for exposures to mild chemical fumes under typical atmospheric conditions.

<u>Exposure</u>	<u>Immersion</u>	<u>Splash & Spillage</u>	<u>Fumes</u>
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 (per coat)

Dry film thickness: 1 mils

Wet film thickness: 5 mils

Theoretical coverage: 320 sq. ft. @ 1 mil DFT

Note: Two coats are recommended over properly prepared steel substrates.

Primer/Substrates

DD-59 Water Based Pipe Coating may be applied directly to properly prepared steel substrates and weathered galvanized steel

Colors

Clear or Black

Shipping Data

Packaging unit	<u>55 gal.</u>	<u>5 gal.</u>	Flash Point: (Setaflash) DD-59 >201°F
Shipping weight (approx.) Package unit	500 lbs.	55 lbs.	Shelf Life: 3 years when stored inside at 40°F to 110°F. DOT Classification NOT REGULATED

Surface Preparation

DD-59 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 using a primer or 2 coats of DD-59.

Mixing

Mix DD-59 Water Based Pipe Coating well prior to application.

Thinning

Thinning is not required for most applications; however DD-59 Water Based Pipe Coating may be thinned up to 1 pint/gal. with potable water. Do not use any organic thinners.

DD-59 Water Based Clear or Black Pipe Coating Product Data Sheet

Applications Conditions

	<u>Material</u>	<u>Surface</u>	<u>Ambient</u>
Minimum	40°F	40°F	40°
Maximum	1200°F	120°F	120°F

Special thinning and application procedures are required outside these temperatures. Surface temperatures and air temperatures must remain above 40F for 2 hours after application for proper film formation.

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 Graco's Bulldog with a 30:1 ratio and a .017" to .021" tip is recommended. A 30 mesh inline filter is recommended.

Brush or Roller: Use medium brush and short nap roller with solvent resistant fibers and core.

Drying Time

The following minimum times are based on 1.5 mils DFT and adequate air ventilation. Higher thickness and reduced air circulation increase drying times.

<u>Surface Temperature</u>	<u>To Touch</u>	<u>To Handle</u>	<u>To Recoat</u>
70°F	15 – 20 min.	60 min.	overnight

Maximum Recoat

DD-59 Water Based Pipe Coating can be recoated with itself at any time by simply removing dirt and contamination of the existing coat.

Cleanup

Cleanup spill spatters and equipment using water. Do not allow material to dry on equipment.

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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.

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