

VSC™ PP-PIPE PRIME

VSC™ PP - PipePrime (Parts A & B)

VSC PP-PipePrime is a 4:1 water based primer designed specifically for adhesion over polypropylene pipe. When top coated with VSC 1200PP PipeCoat it will provide long term UV resistance for polypropylene substrates. It also exceeds requirements of SSPC Paint 22 performance requirements.

FEATURES

- Water Based
- Excellent wetting and adhesion properties
- Rapid and extended recoat windows
- Single coat capability
- Good chemical resistance

PHYSICAL DATA

Abrasion resistance (ASTM D 4060)		
1 kg load/1000 cycles (ASTM D 4060)	weight loss	
CS 17 wheel	22 mg	
Impact resistance (ASTM D 2794)		
Direct impact	80 in-lbs.	
Adhesion (ASTM D 4541)	4031 psi	
Temperature resistance (non-immersion)		
Continuous	250°F	
Non-continuous	300°F	
Theoretical volume solids of mixed material	45%+1%	
Theoretical coverage of mixed gallon (1 mil)	722 sq. ft.	
Volatile Organic Content		
Unthinned	.8 lbs./gal	97 g/l

RESISTANCE

VSC PP-PipePrime is resistant to a wide range of chemicals in atmospheric exposures. The following is a guide to the proper selection.

Exposure	Immersion	Splash & Spillage	Fumes
Acidic	Not recommended	Good	Good
Alkaline	Not recommended	Excellent	Excellent
Solvents	Not recommended	Good	Excellent
Salt water	Excellent	Excellent	Excellent
Water	Excellent	Excellent	Excellent

FILM THICKNESS (PER COAT)

Dry film thickness: 2 to 5 mils

Wet film thickness: 5 to 11 mils

Theoretical coverage: 361 sq. ft. @ 2 mils DFT

Note: One coat is normally required; however, certain colors may require additional coats for hiding.



SUBSTRATES

VSC PP-PipePrime can be applied over properly prepared polypropylene pipe.

TOPCOATS

VSC PP-PipePrime is designed to be topcoated with VSC PP-PipeCote 1200 to create a durable, UV resistant finish.

COLORS

VSC PP-PipePrime is available in gray. Please contact US Coatings for additional color options.

SHIPPING DATA

Packaging unit	1 gal.	5 gal.
Part A	0.8 gal.	4 gal.
Part B	0.2 gal.	1 gal.

Shipping weight (approx.)

Package unit	12 lbs.	60 lbs.
Reducer 1	8 lbs.	40 lbs.

Flash Point: (Setaflash)

Part A	Above 200°F
Part B	110°F
Reducer 1	53°F

Shelf Life: 1 year for both the Part A and B when stored inside at 40°F to 110°F.

SURFACE PREPARATION

In order to ensure proper adhesion of VSC PP-PipePrime to polypropylene pipes, the pipe must be **SANDED** before coating. **SAND** the polypropylene pipe with a minimum of 150 grit sandpaper. After pipe is fully **SANDED**, wipe the pipes down with VSC PP-PipeClean. Pipes must be free of dust, dirt, or debris before painting.

MIXING

Power mix each component, then blend Part B into the Part A and mix until uniform at the following ratio:

	1 Gal. Kit	5 Gal. Kit
VSC PP-PipePrime Part A	0.8 gallon	4 gallon
VSC PP-PipePrime Part B	0.2 gallon	1 gallon

THINNING

Thinning is not required for most applications; however VSC PP-PipePrime may be thinned up to 1 quart/gal. with potable water.

POT LIFE

Four hours at 75°F and less at higher temperatures.

APPLICATIONS CONDITIONS

	Material	Surface	Ambient
Minimum	50°F	50°F	50°
Maximum	90°F	110°F	110°F

Special thinning and application procedures are required outside these temperatures. Surface temperatures should be 5°F above dew point to prevent condensation.

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.

Power Mixer: Use only explosion proof power mixers.

Brush or Roller: Use medium brush and short nap roller designed for water based coatings.

DRYING TIME

The following minimum times are based on a 2 mil DFT and adequate air ventilation. Higher thickness and reduced air circulation increase drying times.

Surface Temperature	To Touch	To Handle
50°F	8 hrs.	16 hrs.
60°F	4 hrs.	8 hrs.
70°F	2 hrs.	4 hrs.
80°F	1 hrs.	2 hrs.
90°F	1/2 hr.	1 hrs.

MAXIMUM RECOAT

VSC PP-PipePrime should be recoated within 30 days. It is imperative that chalk and surface contamination be removed prior to recoating. High pressure washing is an acceptable method to remove chalk and surface contamination. For applications where longer than 30 days is required, please contact US Coatings for recommendations.

CLEANUP

Cleanup with Reducer 1 or Methyl Ethyl Ketone.

CAUTION: Read and follow all caution statements on this product data sheet and on the Material Safety Data Sheet for this product. CONTAINS FLAMMABLE SOLVENTS. Vapors are heavier than air and will accumulate. Extinguish all flames and prevent all sparks. All electrical equipment and installations should be made and grounded in accordance with the National Electrical Code. Where explosion hazards exist workers are required to use non-sparking tools and wear non-sparking shoes.

HEALTH: In confined spaces workers must wear fresh airline respirators.

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