

Gray Primer

Features

- An excellent corrosion resistant primer. A major use for this product has been the initial coating of fabricated steel sign post for many national companies. It possesses excellent exterior durability and adhesion over most metal, wood, and concrete surfaces.
- Excellent shop applied primer for fabricated steel and structural steel.

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	40%±1%
Adhesion (ASTM D 4541)	300 psi	Theoretical coverage of mixed gallon (2 mil)	320 sq. ft.
Temperature resistance (non-immersion)		Volatile Organic Content	
Continuous	250°F	Unthinned ready to apply	3.8 lbs./gal.
Non-continuous	300°F		

Resistance

BB-105 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	Excellent
Water	Not recommended	Good	Excellent

Film Thickness (per coat)

Dry film thickness: 1.5-2.5 mils

Wet film thickness: 3 – 5 mils

Theoretical coverage: 320 sq. ft. @ 2 mils DFT

Primer/Substrates

BB-105 Fast Dry may be applied directly to properly prepared steel substrates and weathered galvanized steel

Colors

Standard Gray.

Shipping Data

Packaging unit	1 gal.	5 gal.	Flash Point: (Setaflash)
			BB-105 45°F
Shipping weight (approx.)			Shelf Life: 3 years when stored inside at 40°F to 110°F.
Package unit	12 lbs.	60 lbs.	DOT Classification Paint Flammable liquid UN1263 PG II

Surface Preparation

BB-105 Fast Dry 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.

Mixing

Mix BB-105 Fast Dry well prior to application.

Thinning

Thinning is not required for most applications; however BB-105 Fast Dry may be thinned up to 1 pint/gal. As follows:

If Mineral Spirits is used the resultant VOC will be 4,27 lbs/gal as applied. Not to be used as an architectural coating.

If use as an Architectural coating use up to 1 pint per gallon of Wohl Thinner #4 which is VOC exempt and the applied VOC will be at 3.8 lbs/gal which meets the VOC AIM requirements for architectural coatings for most states.

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BB-105 Primer 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 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.

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.

Surface

<u>Temperature</u>	<u>To Touch</u>	<u>To Handle</u>	<u>To Recoat</u>
60°F	3-5 min.	30 min.	overnight

Maximum Recoat

BB-105 Fast Dry 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 mineral spirits. Lacquer thinner or Thinner #4 for VOC control.

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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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