



CC-705AMH Red Shop Primer

Red Oxide Non Lifting Shop Primer 2.8 VOC Product Data Sheet

Features

- An excellent corrosion resistant primer. A major use for this product has been the initial coating of fabricated steel sign posts and bollards 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	41%±1%
Adhesion (ASTMD 4541)	300 psi	Theoretical coverage of mixed gallon (1 mil)	651 sq. ft.
Temperature resistance (non-immersion)		Volatile Organic Content	
Continuous	250°F	Unthinned ready to apply	2.8lbs./gal.
Non-continuous	300°F	Theoretical weight solids	58%±1%

Resistance

CC-705 AMH 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:
651 sq. ft@

Primer/Substrates

CC-705 AMH Red Oxide Shop Primer may be applied directly to properly prepared steel substrates and weathered galvanized steel

Colors

Red Oxide

Shipping Data

Packaging unit	1 gal.	5 gal.	Flash Point: (Setaflash) CC-705 AMH 45°F
Shipping weight (approx.) Package unit	12 lbs.	60 lbs.	Shelf Life: 3 years when stored inside at 40°F to 110°F. DOT Classification For 1 gal or less: DOT Not Regulated 5 gallon : UN1263 Paint Flammable liquid, 3, PG II

Surface Preparation

CC-705AMH Shop Primer 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 CC-705 AMH Shop Primer well prior to application.

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Product Data Sheet

Thinning

Thinning is not required for most applications; however CC-705 AMH Shop Primer may be thinned up to 1 pint/gal. As follows: If Mineral Spirits is used the resultant VOC will be 3.2 lbs/gal as applied. Not to be used as an architectural coating.

If used as an Architectural coating use up to 1 pint per gallon of Thinner #4 which is VOC exempt and the applied VOC will be at 2.8 lbs/gal which meets the VOC AIM requirements for architectural coatings for most states.

05/20

Application Conditions

<u>Material</u>	<u>Surface</u>	<u>Ambient</u>
Minimum 40°F	40°F	40°F
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.

<u>Surface Temperature</u>	<u>To Touch</u>	<u>To Handle</u>	<u>To Recoat</u>
60°F	12-14 min.	30 min.	overnight

Maximum Recoat

CC-705 AMH Shop Primer 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.

09/20/16

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.

WARRANTY: Any recommendation of Seller contained herein, covering use, utilization, chemical or physical properties and other qualities of the products sold is believed reliable; however Seller makes no warranty or representation with respect thereto. Use or application is at the discretion of the Buyer without liability or obligation whatsoever of Seller.