Benjamin Moore®

HP | HIGH PERFORMANCE

HP1100.01

Acrylic Metal Primer - White

General Description

HP1100 Acrylic Metal Primer is a water reducible, rust inhibitive primer formulated for use on steel, iron, and non-ferrous metals. The product provides excellent adhesion to a wide variety of hard to coat surfaces. Designed for light to moderate industrial exposures, this product may be top coated with a wide variety of coating chemistries. Additionally, this product may be applied to properly prepared steel as well as tightly adhering rust. Suitable for use in USDA inspected facilities.

- Rust inhibitive
- Recoat in 2 hours
- Excellent for ferrous and non-ferrous metals

Usage

For commercial and residential and applications. For ferrous metal, galvanized metal, aluminum, other non-ferrous metals, as well as other substrates such as concrete and drywall. Acrylic Metal Primer is designed for use in general metal finishing/fabrication, food/beverage processing, chemical processing, industrial maintenance, refurbishment, and other segments where a rust inhibitive water cleanup primer is necessary.

Colors	White (01)
Colorant System	Gennex® (up to 2 fl. oz. per gallon)

Technical Data

Vehicle		Acrylic
Pigment		Titanium Dioxide
Volume Solids		50 ± 2%
Spread Rate Per Gallon		300 – 400 Sq. Ft.
Recommended Film Thickness	Wet:	4.0 – 5.3 mils
	Dry:	2.0 – 2.7 mils

Depending on surface texture and porosity. Be sure to estimate the right amount of paint for the job.

Dry Time @ 77 °F (25 °C) @ 50% RH	To Touch:	30 minutes
	To Recoat:	2 hours

High humidity and cool temperatures will result in longer dry, recoat and service times.

Surface Temperature During Application	Min:	50 °F
	Max:	90 °F
Viscosity		85 ± 4 KU
Flash Point		NA
Sheen / Gloss		0 – 10 @ 60°
Clean Up		Water
Thinner		Water
Weight Per Gallon		11.0 lbs.
Storage Temperature	Min:	40 °F
	Max:	90 °F
VOC		< 100 g/L

Surface Preparation

All grease, oil, dirt, mildew, or any other surface contaminants must be removed using HP6000 Oil & Grease Emulsifier or SSPC-SP1 solvent cleaning.

Ferrous Metal:
All loose rust and mill scale should be removed prior to applying this product. A minimum of SSPC-SP6 Commercial Blast or abrasive blasting is recommended for severe environmental exposures. Small areas may be cleaned in accordance with SSPC-SP2 Hand Tool Cleaning or SSPC-SP3 Power Tool Cleaning or SSPC-SP13 Power Tool Cleaning to bare metal. Tightly adhering rust may be coated over provided the surface is intended for use in mild atmospheric exposures.

Non-Ferrous Metal (Galvanized, Aluminum, etc.):
Remove surface contaminants using HP6000 Oil & Grease Emulsifier or SSPC-SP1 solvent cleaning.

Previously Painted Surfaces:
Clean using HP6000 Oil & Grease Emulsifier or solvent washed as outlined above. Dull glossy surfaces by sanding. Remove all loose, flaking or peeling paint prior to application.

WARNING! If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Informational Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

Limitations

- Not recommended for floor applications
- Not recommended for immersion service
- Do not apply if material, substrate or ambient temperature is below 50 °F (10 °C)

Compliance & Certifications

OTC	✓
OTC II	✓
CARB	✓
CARB07	✓
CARB19	✓
UTAH	✓
AZMC	✓
SCAQMD	✓

Eligible for LEED® v4	✓
CDPH Emissions Certified	✓
Eligible for CHPS low emitting credit (Collaborative for High Performance Schools)	✓
MPI	107, 134

Class A (0-25) over non-combustible surfaces when tested in accordance with ATSM E-84.

Suitable for use in USDA inspected facilities.

Application

Stir thoroughly before and occasionally during use. Thinning is not required although a small amount of water (up to 8 fl. oz. per gallon) may be added for preferred application properties.

Apply one or two coats. For best results, use a Benjamin Moore® Professional custom-blended nylon/polyester, Benjamin Moore® Professional roller, or a similar product.
This product can also be sprayed.

Spray, Airless:
Pressure / 2,000 – 2,500 PSI
Tip / 0.013 – 0.017
Air Spray (Pressure Pot):
704 or 765 air cap and Fluid Tip E

NOTE: Do not apply if material, substrate or ambient temperature is below 50 °F (10 °C) or above 90 °F (32 °C) Relative humidity should be below 90% Do not apply if within 5 degrees of dew point or if rain is expected within 12 hours of application

Technical Assistance

Available through your local authorized independent Benjamin Moore retailer.

call 1-866-708-9180
visit www.benjaminmoore.com

Clean Up

Clean all equipment immediately after using with soap and water. Spray equipment should be given a final rinse with mineral spirits to prevent corrosion.

USE COMPLETELY OR DISPOSE OF PROPERLY. Dry, empty containers may be recycled in a can recycling program. Local disposal requirements vary; consult your sanitation department or state-designated environmental agency on disposal options.

Environmental Health & Safety Information

Use only with adequate ventilation. Do not breathe spray mist or sanding dust. Ensure fresh air entry during application and drying. Avoid contact with eyes and prolonged or repeated contact with skin. Avoid exposure to dust and spray mist by wearing a NIOSH approved respirator during application, sanding and clean up. Follow respirator manufacturer's directions for respirator use. Close container after each use. Wash thoroughly after handling.


WARNING Cancer and Reproductive Harm– www.P65Warnings.ca.gov
Refer to the product label & Safety Data Sheet for product specific information.

FIRST AID: If affected by inhalation of vapors or spray mist, remove to fresh air. In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention immediately; for skin, wash thoroughly with soap and water. If symptoms persist, seek medical attention. If swallowed, do not induce vomiting. Get medical attention immediately.

IN CASE OF SPILL – Absorb with inert material and dispose of as specified under "Clean Up".

KEEP OUT OF REACH OF CHILDREN
PROTECT FROM FREEZING

Refer to Safety Data Sheet for additional health and safety information.

©2024 Benjamin Moore & Co. All trademarks belong to their respective owners. All rights reserved