



ULTRA SPEC[®] HP

D.T.M. ACRYLIC SEMI-GLOSS

WH29

Features

- Direct to metal application
- Self-priming
- Excellent adhesion
- Improved gloss & color retention
- Fast dry and recoat times
- Corrosion resistant
- Easy application
- No fire hazard

Recommended For

Ferrous or non-ferrous metal, Bilco[®] doors, railings, structural or support steel, wood, roof decks, masonry surfaces, bar joists, equipment, roof vents, fencing, metal storage sheds and general maintenance painting interior or exterior surfaces

General Description

This product is designed to perform a dual purpose as a direct to metal primer and finish. Both coats of the product provide rust inhibition for superior corrosion control. The acrylic formula provides excellent gloss and color retention. The film is fast drying permitting fast recoat. This product is also an excellent finish for masonry, plaster, wallboard and interior wood surfaces.

Limitations

- Do not apply when air and surface temperatures are below 50 °F (10 °C).
- Not for floor applications.
- Not for exposure to strong chemicals.

Product Information

Colors — Standard: N/A	Technical Data[◇]		Pastel Base					
— Tint Bases: Benjamin Moore [®] Gennex [®] bases 1X, 2X, 3X & 4X	Vehicle Type Acrylic							
— Special Colors: Contact your Benjamin Moore [®] representative.	Pigment Type Titanium Dioxide & Corrosion Inhibitors							
Certifications & Qualifications: VOC compliant in all regulated areas Class A (0-25) over non-combustible surfaces when tested in accordance with ASTM E-84	Volume Solids 45%							
	Coverage per Gallon at Recommended Film Thickness 320 Sq. Ft.							
Technical Assistance Available through your local authorized independent Benjamin Moore retailer. For the location of the retailer nearest you, call 1-866-708-9180 or visit www.benjaminmoore.com	Recommended Film Thickness <table border="0" style="width: 100%;"> <tr> <td style="width: 50%; text-align: right;">– Wet</td> <td style="width: 50%; text-align: right;">5.1 mils</td> </tr> <tr> <td style="text-align: right;">– Dry</td> <td style="text-align: right;">2.3 mils</td> </tr> </table>	– Wet	5.1 mils	– Dry	2.3 mils			
	– Wet	5.1 mils						
	– Dry	2.3 mils						
	Depending on surface texture and porosity. Be sure to estimate the right amount of paint for the job. This will ensure color uniformity and minimize the disposal of excess paint.							
	Dry Time @ 77 °F (25 °C) @ 50% RH <table border="0" style="width: 100%;"> <tr> <td style="width: 50%; text-align: right;">– To Touch</td> <td style="width: 50%; text-align: right;">1 Hour</td> </tr> <tr> <td style="text-align: right;">– To Recoat</td> <td style="text-align: right;">4 Hours</td> </tr> </table>		– To Touch	1 Hour	– To Recoat	4 Hours		
	– To Touch	1 Hour						
	– To Recoat	4 Hours						
	Painted surfaces can be washed after two weeks. High humidity and cool temperatures will result in longer dry, recoat and service times.							
	Dries By Coalescence							
	Dry Heat Resistance 250°F							
Viscosity 77 ± 3 KU								
Flash Point None								
Gloss / Sheen Semi-Gloss (45-55 @ 60°)								
Surface Temperature at Application <table border="0" style="width: 100%;"> <tr> <td style="width: 50%; text-align: right;">– Min.</td> <td style="width: 50%; text-align: right;">50 °F</td> </tr> <tr> <td style="text-align: right;">– Max</td> <td style="text-align: right;">100 °F</td> </tr> </table>		– Min.	50 °F	– Max	100 °F			
– Min.	50 °F							
– Max	100 °F							
Thin With Clean Water								
Clean Up Thinner Clean Water								
Weight Per Gallon 10.4 lbs.								
Storage Temperature <table border="0" style="width: 100%;"> <tr> <td style="width: 50%; text-align: right;">– Min.</td> <td style="width: 50%; text-align: right;">40 °F</td> </tr> <tr> <td style="text-align: right;">– Max</td> <td style="text-align: right;">90 °F</td> </tr> </table>		– Min.	40 °F	– Max	90 °F			
– Min.	40 °F							
– Max	90 °F							
Volatile Organic Compounds (VOC)								
98 Grams/Liter		0.82 Lbs./Gallon						

[◇]Reported values are for Pastel Base. Contact Benjamin Moore for values of other bases or colors.

Surface Preparation

Surfaces to be coated must be clean, dry, and free of oil, grease, dust, flaky rust, mill scale, loose paint, chalk, and other foreign matter than could interfere with adhesion. Glossy surfaces should be dulled by abrading the surface.

Metal: Remove loose rust and scale with a scraper, wire brush, or sandpaper. Remove oils from bare metal with an Oil & Grease Emulsifier Corotech® V600.

Wood: Spot-prime patched and spackled areas with this product or any recommended Benjamin Moore® primer before and after repairing. Protected exterior areas such as eaves, ceilings, and overhangs should be washed with detergent solution and rinsed with a strong stream of water from a garden hose to remove surface salts that can interfere with proper adhesion.

Mildew: Stains from mildew must be removed by cleaning with Benjamin Moore® Clean (N318) prior to coating the surface.

Caution: Refer to the (N318) Clean technical data and safety data sheets for instructions on its proper use and handling.

Difficult Substrates: Benjamin Moore® offers a number of specialty primers for use over difficult substrates such as bleeding woods, grease stains, crayon markings, hard glossy surfaces, galvanized metal, or other substrates where paint adhesion or stain suppression is a particular problem. Your Benjamin Moore® retailer can recommend the right problem solving primer for your special needs.

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.

Primer/Finish Systems

Ultra Spec HP® D.T.M. (Direct To Metal) Acrylic Semi-Gloss (WH29) is self-priming on properly prepared ferrous and non-ferrous metal substrates. New surfaces should be fully primed, and previously painted surfaces may be primed or spot primed as necessary. For best hiding results, tint the primer to the approximate shade of the finish coat, especially when a significant color change is desired. **Special Note:** Certain custom colors require a Deep Color Base Primer tinted to a special prescription formula to achieve the desired color. Consult your Benjamin Moore® retailer.

Ferrous Metal Surfaces (Iron & Steel):

Finish: 2 coats Ultra Spec HP® D.T.M. (Direct to Metal) Acrylic Semi-Gloss (WH29)

Non-Ferrous Metal (Galvanized & Aluminum):

All new non-ferrous metal surfaces must be thoroughly cleaned with an Oil & Grease Emulsifier Corotech® V600 to remove contaminants.

Finish: 1 or 2 coats Ultra Spec HP® D.T.M. (Direct to Metal) Acrylic Semi-Gloss (WH29)

Masonry, Smooth Poured or Precast Concrete:

Primer: Ultra Spec® Masonry Interior / Exterior 100% Acrylic Masonry Sealer (608)

Finish: 1 or 2 coats Ultra Spec HP® D.T.M. (Direct to Metal) Acrylic Semi-Gloss (WH29)

Masonry, Rough or Pitted:

Primer: Ultra Spec® Masonry Interior/Exterior Hi-Build Block Filler (571)

Finish: 1 or 2 coats Ultra Spec HP® D.T.M. (Direct to Metal) Acrylic Semi-Gloss (WH29)

Plaster and Wallboard:

All plaster surfaces must be thoroughly cured for at least 30 days. Drywall surfaces must be free of sanding dust.

Primer: Fresh Start® Multi-Purpose Latex Primer (N023)

Finish: 1 or 2 coats Ultra Spec HP® D.T.M. (Direct to Metal) Acrylic Semi-Gloss (WH29)

Wood, and engineered wood products:

Primer: Fresh Start® Multi-Purpose Latex Primer (N023)

Finish: 1 or 2 coats Ultra Spec HP® D.T.M. (Direct to Metal) Acrylic Semi-Gloss (WH29)

Bleeding Type Woods, (Redwood and Cedar):

Primer: Fresh Start® Multi-Purpose Oil Based Primer (024) or 1-2 coats of Fresh Start® High-Hiding All Purpose Primer (046) may be used

Finish: 1 or 2 coats Ultra Spec HP® D.T.M. (Direct to Metal) Acrylic Semi-Gloss (WH29)

Repaint, All Substrates: Prime bare areas with the primer recommended for the substrate above.

Application

Mixing of Paint: Stir thoroughly before and occasionally during use. For best application results, apply generously going from unpainted into painted areas. A one-coat application protects and preserves; two coats provides greater durability. Apply with an all-purpose synthetic brush, short nap roller, or spray.

Spray, Airless: Fluid Pressure — 1,500 to 2,500 PSI; .013 - .017 Orifice

Thinning/Clean Up

Thinning: Thinning is unnecessary, but if required to obtain desired application properties, a small amount of clean water may be added. Never add other paints or solvents.

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 or follow state/local guidelines on solvent use.

Environmental Health & Safety Information

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)

Keep container closed when not in use. In case of spillage, absorb with inert material and dispose of in accordance with local regulations. Wash thoroughly after handling. Refer to Safety Data Sheet for additional health and safety information.



WARNING Cancer and Reproductive Harm—
www.P65warnings.ca.gov

This document represents hazards of the product referenced above. Refer to the individual Safety Data Sheet for hazards of the specific product you will be using

**FOR PROFESSION USE ONLY
PROTECT FROM FREEZING**

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