



SUPER SPEC HP[®]

D.T.M. ACRYLIC SEMI-GLOSS

P29

Features

- Direct to metal application
- Water thinned
- Fast dry and recoat times
- Excellent adhesion
- Resists oxidation, fading, and loss of gloss
- Unlimited color selection
- Corrosion resistant
- No fire hazard
- Non-polluting
- Semi-gloss finish

Recommended For

Ferrous or non-ferrous metal, Bilco[®] doors and 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

Formulated to perform as a direct to metal primer and as a tough, durable semi-gloss finish coat. This product provides rust inhibition for superior corrosion control, and excellent gloss and color retention. The film is fast drying, permitting fast recoat. Uncoated ferrous metal must receive a minimum of two coats. This product is also an excellent finish for masonry, plaster, wallboard and interior wood surfaces.

Limitations

- Not for immersion service
- Not for strong chemicals
- Minimum film forming temperature 50°F (10°C)

Product Information

Labor Saving Benefits

- This product serves as both a primer and a finish coat. Therefore, both coats have rust inhibition and the durability of the semi-gloss finish
- Provides excellent adhesion, permitting application to a wide variety of substrates
- This tough flexible film is fast drying, which allows for faster recoat time, eliminating costly down time
- Resists various weather conditions, oxidation, fading, loss of gloss and mild chemical and industrial fumes
- Resists loss of adhesion due to thermal shock caused by radical temperature changes

Colors: —Standard:

P29-08 Safety White, P29-64 Bronze tone, P29-82 Safety Black

—Tint Bases:

Benjamin Moore[®] Color Preview[®] bases 1B, 2B, 3B, & 4B

—Special Colors:.

Contact your Benjamin Moore representative

Certification:

VOC compliant in all regulated areas, except South Coast

Master Painters Institute MPI #153, 163

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

Qualifies for LEED[®]

(ANTI-CORROSIVE)
Credit when used on Metal Substrates

Technical Assistance

Available through your local authorized independent Benjamin Moore[®] retailer. For the location of the retailer nearest you, call 1-800-826-2623, see www.benjaminmoore.com, or consult your local Yellow Pages.

Technical Data[◇]

Technical Data [◇]		Pastel Base
Vehicle Type		Acrylic
Pigment Type		Titanium Dioxide & Corrosion Inhibitors
Volume Solids		40%
Coverage per Gallon at Recommended Film Thickness		320 Sq. Ft. @ 2.0 mils
Recommended Film Thickness	– Wet	3.8 – 6.2 mils
	– Dry	1.5 – 2.5 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	– To Touch	1 Hour
	– To Recoat	8 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	90 ± 5 KU
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Flash Point	None
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Gloss / Sheen	Semi-Gloss (40-60 @ 60°)
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Surface Temperature at Application	– Min.	50°F
	– Max	100°F

Thin With	Clean Water
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Clean Up Thinner	Clean Water
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Weight Per Gallon	10.0 lbs
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Storage Temperature	– Min.	40°F
	– Max	90°F

Volatile Organic Compounds (VOC)

206 Grams/Liter 1.72 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 Benjamin Moore® Oil & Grease Emulsifier (P83).

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 (318) prior to coating the surface.

Caution: Refer to the (318) Clean technical data and material safety data sheets for instructions on its proper use and handling.

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. Carefully clean up 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 Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

Primer/Finish Systems

Super Spec HP® D.T.M. (Direct To Metal) Acrylic Semi-Gloss (P29) 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.

Ferris Metal (Steel and Iron):

Finish: 2 coats Super Spec HP® D.T.M. Acrylic Semi-Gloss (P29)

Non-Ferrous Metal (Galvanized & Aluminum): All new metal surfaces must be thoroughly cleaned with Super Spec HP® Oil & Grease Emulsifier (P83) to remove contaminants. New shiny non-ferrous metal surfaces that will be subject to abrasion should be dulled with very fine sandpaper or a synthetic steel wool pad to promote adhesion

Finish: 1 or 2 coats Super Spec HP® D.T.M. Acrylic Semi-Gloss (P29)

Masonry, Smooth Poured or Precast Concrete:

Primer: Super Spec® Masonry Interior / Exterior 100% Acrylic Masonry Sealer (N/066) or Fresh Start® All-Purpose 100% Acrylic Primer (N023)

Finish: 1 or 2 coats Super Spec HP® D.T.M. Acrylic Semi-Gloss (P29)

Masonry, Rough or Pitted:

Primer: Super Spec® Latex Block Filler (160) or Super Spec® Masonry Interior/Exterior Hi-Build Block Filler (206)

Finish: 1 or 2 coats Super Spec HP® D.T.M. Acrylic Semi-Gloss (P29)

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® All-Purpose 100% Acrylic Primer (N023) or Fresh Start® 100% Acrylic Superior Primer (046)

Finish: 1 or 2 coats Super Spec HP® D.T.M. Acrylic Semi-Gloss (P29)

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;
Tip — .013 - .017 Orifice

Thinning/Cleanup

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.

Cleanup: 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. This product contains organic solvents which may cause adverse effects to the environment if handled improperly. Disposal of wastes containing either organic solvents or free-liquids in landfills is prohibited. Dry, empty containers may be recycled in a recycling program. **Local disposal requirements vary; consult your sanitation department or state-designated environmental agency for local disposal options.**

Environmental, Health & Safety Information

Contains: Glycol Ethers

HARMFUL IF INHALED. CAUSES EYE AND SKIN IRRITATION.

NOTICE: Repeated and prolonged exposure to solvents may lead to permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Keep away from heat and flame. **Use only with adequate ventilation.** Do not breathe vapors, spray mist or sanding dust. Avoid contact with eyes and prolonged or repeated contact with skin. Wear eye protection and gloves. To avoid breathing vapors or spray mist open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches or dizziness increase fresh air or wear a properly fitted vapor/particulate NIOSH approved respirator during application, sanding and clean up. Follow respirator manufacturer's directions for respirator use. Close container after each use.

WARNING: This product contains a chemical known to the state of California to cause cancer and birth defects, or other reproductive harm.

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 call physician; for skin, wash thoroughly with soap and water. If swallowed, do not induce vomiting. Get medical attention immediately.

IN CASE OF FIRE – Use foam CO₂, dry chemical or water fog.

SPILL – Absorb with inert material and dispose of as specified under "CleanUp".

**KEEP OUT OF REACH OF CHILDREN
FOR PROFESSIONAL USE ONLY**

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