



BENJAMIN MOORE®

SUPER SPEC HP® WATERBORNE POLYAMIDE EPOXY HIGH GLOSS ENAMEL P42

Features

- Low odor
- Good acid and chemical resistance
- Excellent adhesion
- Resists strong cleaning compounds
- Interior or exterior applications
- Will not lift conventional coatings

Recommended For

- Concrete, wood, plaster, drywall, masonry, metal, aluminum
- For use on lockers, doors, tanks, equipment, structural or support steel, bar joists, roof decks, catwalks, stairs and piping
- For protecting schools, healthcare facilities and food processing plants
- Concrete floors

General Description

This two-component waterborne epoxy is ideal for use on properly prepared interior & exterior ferrous metal, galvanized metal, wood, plaster, masonry and drywall surfaces. Examples include commercial and institutional walls, ceilings, machinery, piping, and cabinets. It is an excellent floor coating for residential, commercial and institutional use and will withstand strong solvents and cleaning compounds.

Limitations

- Not for immersion service
- If used as a floor coating, consider the need for an anti-slip aggregate
- Gloss reduction on exterior surfaces
- Slight ambering in the presence of U.V. light and ammonia compounds
- Limited low temperature cure
- When used as a finish coat over bare metal, Waterborne Polyamide Epoxy Gloss Coating (P42-70/P42-84) Gray Primer must be used

Product Information

Mixing Instructions:

This two-component product is mixed as a 4 to 1 ratio by volume of components "A" to "B." First, mix each component separately until uniform, then combine components "A" & "B" and mix thoroughly (5 minutes) or until homogeneous. For best results, use a spiral mixing blade in a variable speed (400-600 rpm) electric drill. Place the spiral mixing blade at the bottom of the container before turning on the mixer. This will help avoid inducing air into the material. Inducted air will cause "bubbles" in the coating when applied. Gently move the mixer head up to the surface while running. Do not remove the head while it is still spinning. Allow the combined components to sit for an induction time of 30 minutes, then lightly stir again to ensure uniformity. This product has a workable pot life of 6-8 hours at 70° F. Applying the material immediately after the 30 minute's induction time will provide best results.

Note: Higher air and mixture temperatures will decrease the pot life and working time.

Colors: MUST BE MIXED WITH P42-84 CATALYST

—**Standard:** Clear(00), Safety White (08), Gray Primer (70), Platinum, Gray (073), Battleship Gray (075) and Safety Black (82)

—**Tint Bases:** BENJAMIN MOORE® COLOR PREVIEW® Bases P42-1B, P42-2B, P42-3B, P42-4B

—**Special Colors:** Contact your Benjamin Moore & Co., Limited representative

Certification:

Master Painter Institute MPI #115
Does not contain any ozone-depleting substances, either Class I or Class II.
Available in all regulated areas, except South Coast

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[◇]

Pastel Base

Generic Type	Waterborne Polyamide Epoxy	
Pigment Type	Titanium Dioxide, Select Inerts	
Volume Solids (mixed as recommended)	39.0%	
Theoretical Coverage	215-320 sq. ft. @ 2-3 Mils	
Film Thickness	— Wet	Min 5.0 Mils Max 7.5 Mils
	— Dry	Min 2.0 Mils Max 3.0 Mils
Dry Time @ 70° F	—To Touch	30 Minutes
	—To Recoat	Min 4 Hrs
		Max 5 days
Dries By	Chemical Cure	
Dry Heat Resistance – Intermittent	250° F	
Viscosity @ 70° F (mixed as recommended)	85 ± 5 KU	
Flash Point	None	
Gloss/Sheen	Gloss (75 - 85 @60°)	
Surface Temperature at application	— Min.	60° F
	— Max	90° F
Surface must be dry and at least 5° above the dew point.		
Reducer	Clean Water	
Reduction	— Brush	Do not thin
	— Roller	Do not thin
	— Spray	5% maximum
Clean Up Thinner	Clean Water	
Mixing Ratio (by volume)	4 :1	
Induction Time@ 70° F	30 minutes	
Pot Life @ 70° F	6-8 hour	
Weight Per Gallon (mixed as recommended)	10.9 lbs	
Storage Temperature	— Min	40° F
	— Max	90° F

Volatile Organic Compounds (VOC)
173 Grams / Liter* 1.45 LBS / Gallon*
*Catalyzed

[◇]Reported values are for Clear. Contact Benjamin Moore & Co. for values of other bases or colors.

Super Spec HP® Waterborne Polyamide Epoxy High Gloss Enamel (P42)

Surface Preparation

Surfaces to be coated must be clean, dry, and free of oil, grease, dust, flaky rust, mill scale, salts, loose paint, chalk, mildew, and other foreign matter that could interfere with adhesion. Remove oil, grease, salts and chalk by cleaning with Super Spec HP® Oil and Grease Emulsifier (P83) according to label directions. Glossy existing coatings should be dulled by abrading the surface.

For optimal performance ferrous metal substrates should be cleaned and profiled by Commercial Blast Cleaning to SSPC-SP6 to remove mill scale, rust, and other contaminants and leave a roughened surface. Use of Power Tool Cleaning to Bare Metal SSPC-SP11 to remove mill scale, rust, and other contaminants and leave a roughened surface is an acceptable alternative under normal ambient conditions.

Non-ferrous metal surfaces should be degreased with Super Spec HP® P83 Oil & Grease Emulsifier and abraded with very fine sandpaper or a synthetic steel wool pad to promote adhesion.

Concrete and masonry substrates should be clean, dry and free of oil, grease, form release agents and curing compounds. New concrete and masonry must be allowed to cure 28 days.

Smooth dense concrete surfaces should be acid etched or mechanically profiled to provide a suitable anchor pattern.

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

Ferrous Metal:

Primer: Super Spec HP® Waterborne Polyamide Epoxy Metal Primer (P42-70) or Universal Metal Primer (P07)

Finish: 1 or 2 coats Super Spec HP® Waterborne Polyamide Epoxy High Gloss Enamel (P42)

Non-Ferrous Metal:

Primer: Super Spec HP® Waterborne Polyamide Epoxy Metal Primer (P42-70)

Finish: 1 or 2 coats Super Spec HP® Waterborne Polyamide Epoxy High Gloss Enamel (P42)

Vertical Smooth Poured or Pre-Cast Masonry Surfaces including Brick:

Primer (Dry Environments): Moore's® Acrylic Masonry Sealer (066)

Primer (Wet or Corrosive Environments): Super Spec HP® Waterborne Polyamide Epoxy Metal Primer (P42-70)

Finish: 1 or 2 coats Super Spec HP® Waterborne Polyamide Epoxy High Gloss Enamel (P42)

Rough or Pitted Masonry:

Primer (Dry Environments): Super Spec® Latex Block Filler (160)

Primer (Wet or Corrosive Environments): Super Spec HP® Waterborne Epoxy Block Filler (P31)

Finish: 1 or 2 coats Super Spec HP® Waterborne Polyamide Epoxy High Gloss Enamel (P42)

Concrete Floors:

Primer: Super Spec HP® Fast Dry Epoxy Floor Sealer / Finish (P41) or Waterborne Polyamide Epoxy High Gloss Enamel Clear (P42-00)

Finish: 2 coats Super Spec HP® Waterborne Polyamide Epoxy High Gloss Enamel (P42)

Drywall and Plaster:

Primer (Dry Environments): Fresh Start® All-Purpose 100% Acrylic Primer (023)

Primer (Wet or Corrosive Environments): Super Spec HP® Waterborne Polyamide Epoxy Metal Primer (P42-70)

Finish: 1 or 2 coats Super Spec HP® Waterborne Polyamide Epoxy High Gloss Enamel (P42)

Wood:

Primer: Super Spec HP® Waterborne Polyamide Epoxy Metal Primer (P42-70) or Fresh Start® All-Purpose 100% Acrylic Primer (023)

Finish: 1 or 2 coats Super Spec HP® Waterborne Polyamide Epoxy High Gloss Enamel (P42)

Application

Stir thoroughly before and occasionally during use. Apply one or two coats. For best results, use a Benjamin Moore® Professional custom-blended nylon/polyester or china bristle brush, Benjamin Moore® Professional roller, or a similar product. This product can also be sprayed.

Spray, Airless: Fluid Pressure — 1500 - 2500 PSI;
Tip — .013 - .017 Orifice

Thinning/Cleanup

Do not thin.

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 components which may cause adverse effects to the environment if handled improperly. Dry, empty containers may be recycled in a can 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, Epoxy Resin, Epoxy Amine Curing Agent

CAUSES IRRITATION TO EYES, SKIN AND RESPIRATORY TRACT. MAY CAUSE ALLERGIC SKIN REACTION

IMPORTANT: Designed to be mixed with other components. Mixture will have hazards of both components. Before opening packages, read all warning labels. Follow all precautions.

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

Use only with adequate ventilation. Do not breathe vapors or sanding dust. Avoid contact with eyes, skin and clothing. May cause allergic skin reaction. Wear eye protection, gloves and protective clothing during application and cleanup. Ensure fresh air entry during application. If you experience eye watering, headache or dizziness or if air monitoring demonstrates vapor levels are above applicable limits, wear an appropriate, NIOSH approved, properly fitted respirator during and after application. Follow respirator manufacturer's directions for respirator use. Do not permit anyone without protection in the painting area. Wash thoroughly after handling. Close container after each use.

FIRST AID: If affected by inhalation of vapors or spray mist, remove to fresh air. In cases of eye contact, flush immediately with water for at least 15 minutes and call a physician immediately; for skin, remove contaminated clothing and wash with soap and water for at least 15 minutes. In case of ingestion, DO NOT INDUCE VOMITING, get medical help immediately.

IN CASE OF: **FIRE** — Use foam CO2, dry chemical or water fog.
SPILL — Absorb with inert material and dispose of as specified under "Clean Up".

KEEP OUT OF REACH OF CHILDREN

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