



BENJAMIN MOORE® SUPER SPEC HP® POLYAMIDE EPOXY P36

Features

- High gloss extremely durable stain resistant film
- Very good impact and abrasion resistance
- Good acid and chemical resistance
- Very good alkali resistance
- Resists strong cleaning compounds
- Solvent resistant
- Tile like finish does not support mold, mildew, or fungi growth
- Forms a dense, waterproof barrier coat

Recommended For

Protects metal, masonry, plaster, or drywall on interior or exterior surfaces. Performs well on machinery, storage tanks, equipment, structural and support steel, poured concrete, block walls, and high abuse floors.

General Description

This two component epoxy offers excellent impact and abrasion resistance, plus has good acid and alkali resistance. 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, cabinets, storage tanks and high traffic floors. **Caution: All floor enamels may become slippery when wet.** When used as a floor finish, consider the need for an anti-slip aggregate.

Limitations

- Proper curing requires a minimum application temperature of 50°F (10°C)
- Slight color variation can be experienced from over-rolling.
- Chalking will occur in exterior applications.
- Slight ambering in the presence of ultraviolet light and ammonia compounds
- Strong solvent could attack conventional coatings

Product Information

Mixing Instructions:

This two-component product is mixed as a 1 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 inducting 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 P36-84 CATALYST

—Standard: (73) Platinum Gray

—Tint Bases: P36-90 Tintable White, P36-91 Deep Base, P36-92 Clear Base

P36 can only be tinted with Super Spec HP®

Colorant.

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

Certification:

Master Painters Institute MPI #77, GPS 1
Does not contain any ozone-depleting substances, either Class I or Class II.
Available in all regulated areas, except South Coast & CARB regulated areas.

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[∅]

		Tintable White
Generic Type	Polyamide Epoxy	
Pigment Type	Titanium Dioxide and Select Inerts	
Volume Solids (mixed as recommended)	62%	
Theoretical Coverage	485 Sq. Ft. @ 2.0 Mils	
Film Thickness	— Wet	3.5 mils
	— Dry	2.0 mils
Dry Time @ 70° F	—To Touch	1 1/2 Hours
	—To Recoat*	16 Hour
*If top coat is not applied within 72 hours abrade the surface to ensure proper inter-coat adhesion		
Dries By	Chemical Cure	
Dry Heat Resistance – Intermittent	400° F	
Viscosity @ 70° F (mixed as recommended)	70 ± 5 KU	
Flash Point	84° F	
Gloss/Sheen	— Gloss	(85-95 @60°)
Surface Temperature at application	— Min.	50° F
	— Max	85° F
Surface must be dry and at least 5° above the dew point.		
Reducer	Do not thin	
Reduction	— Brush	Do not thin
	— Roller	Do not thin
	— Spray	Do not thin
Clean Up Thinner	P95	
Mixing Ratio (by volume)	1:1	
Induction Time	30 Minutes	
Pot Life @ 77° F	6 – 8 Hours	
Weight Per Gallon (mixed as recommended)	11.6 lbs	
Storage Temperature	— Min	40° F
	— Max	90° F

Volatile Organic Compounds (VOC)
329 Grams / Liter* 2.75 LBS / Gallon*
*Catalyzed

[∅]Reported values are for Tintable White. Contact Benjamin Moore & Co. for values of other bases or colors.

Super Spec HP® Polyamide Epoxy (P36)

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 Benjamin Moore 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 de-greased with 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® Epoxy Metal Primer (P33) or Universal Metal Primer (P07)

Finish: 1 or 2 coats Super Spec HP® Polyamide Epoxy (P36)

Non-Ferrous Metal:

Primer: Super Spec HP® Epoxy Metal Primer (P33) or Waterborne Polyamide Epoxy Metal Primer (P42-70)

Finish: 1 or 2 coats Super Spec HP® Polyamide Epoxy (P36)

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

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

Finish: 1 or 2 coats Super Spec HP® Polyamide Epoxy (P36)

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® Polyamide Epoxy (P36)

Concrete Floors:

Primer: Super Spec HP® Fast Dry epoxy Floor Sealer / Finish (P41) **Finish:** 2 coats Super Spec HP® Polyamide Epoxy (P36)

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® Polyamide Epoxy (P36)

Wood:

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

Finish: 1 or 2 coats Super Spec HP® Polyamide Epoxy (P36)

Application

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

Spray, Airless: Fluid Pressure —2000 - 3000 PSI;
Tip — .015 - .019 Orifice

Thinning/Cleanup

Do not thin.

Clean all equipment immediately after use with P95 Epoxy Thinner or Xylo.

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 can recycling program. **Local disposal requirements vary; consult your sanitation department or state-designated environmental agency for local disposal options.**

Environmental, Health & Safety Information.

Keep away from heat and flame. **Use only with adequate ventilation.**

Vapors are heavier than air and may travel along ground or may be moved by ventilation and ignited by pilot lights, or other flames, sparks, heaters, or static discharge. 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. Aspiration Hazard. Small amounts aspirated into the respiratory system may cause mild to severe pulmonary injury. 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.

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 15 minutes and call physician; for skin, wash with soap and water. If case of ingestion - DO NOT INDUCE VOMITING. Call physician immediately.

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

**KEEP OUT OF REACH OF CHILDREN
FOR PROFESSIONAL USE ONLY
Refer to Material Safety Data Sheet for
additional health and safety information.**