



BENJAMIN MOORE® SUPER SPEC HP® ACRYLIC EPOXY COATING P43

Features

- Water thinned
- Soap and water clean up
- Low odor
- Reduced fire hazard
- Interior or exterior application
- Good gloss retention
- No lifting of conventional coatings
- Can be applied over slightly damp surfaces
- Chemical and abrasion resistance
- Wide color range including clear finish

Recommended For:

- Concrete
- Plaster
- Interior or exterior surfaces
- Floors
- Rest rooms
- Schools
- Food processing plants
- Wood
- Drywall
- Walls
- Stairs
- Food handling areas
- Extended care facilities
- Dairies
- Bottling plants

General Description

This two component epoxy offers unique features such as low odor and application over slightly damp surfaces. For use on properly prepared interior & exterior ferrous metal, galvanized metal, wood, plaster, masonry and drywall surfaces that are subject to moderate abrasion or mild chemical exposures. Examples include commercial and institutional walls, ceilings, machinery, piping, cabinets, storage tanks and light traffic floors. Available in two gloss levels: Use Catalyst P43-84 for a Gloss finish, or Catalyst P43-86 for a Semi-Gloss finish.

Limitations:

- Not for immersion service
- Not for high abuse floor areas
- Not for exposure to strong chemicals or acids
- If used as a floor coating, consider the need for an anti-slip aggregate
- Limited low temperature cure
- Chalking will occur in exterior applications.

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 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 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 P43-84 GLOSS CATALYST OR P43-86 SEMI-GLOSS CATALYST

— **Standard:*** P43-08 Safety White

* For clear finish reference Product Data Sheet M73 P4300

— **Tint Bases:** BENJAMIN MOORE® COLOR PREVIEW® Bases P43-1B, P43-2B, P43-3B, P43-4B

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

Certification:

Master Painters Institute MPI #93 and MPI #115.

Does not contain any ozone-depleting substances, either Class I or Class II.

VOC compliant in all regulated areas, EXCEPT SCAQMD

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
Generic Type		Acrylic Epoxy
Pigment Type		Titanium Dioxide
Volume Solids — Gloss		37%
Theoretical Coverage		400 sq. ft. / Gallon
Film Thickness — Wet		4.0 Mils
— Dry		1.5 Mils
Dry Time — To Touch		2 Hours
@ 70° F — To Recoat		12 Hours
Dries By		Chemical Cure
Dry Heat Resistance – Intermittent		350° F
Viscosity @ 70° F (mixed as recommended)		75 ± 5 KU
Flash Point		None
Sheen/Gloss — Gloss		(60-70 @60°)
— Semi-Gloss		(40-50 @60°)
Surface Temperature – Min.		50° F
at application – Max.		95° F
<i>Surface must be dry and at least 5° above the dew point.</i>		
Reducer		Clean Water
Reduction — Brush		5%
— Roller		5%
— Spray		10%
Clean Up Thinner		Clean Water
Mixing Ratio (by volume)		4:1
Induction Time		30 minutes
Pot Life @ 70° F		8 Hours
Weight Per Gallon — Gloss		10.0 lbs
Storage Temperature – Min.		40° F
— Max.		90° F

Volatile Organic Compounds (VOC)[◇]

133 Grams / Liter* 1.11 LBS / Gallon*

*Catalyzed with P43-84 Gloss Catalyst

[◇]Reported values are for Pastel Base. Contact Benjamin Moore & Co. 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, 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 Super Spec HP® Acrylic Metal Primer (P04)
Finish: 1 or 2 coats Super Spec HP® Acrylic Epoxy Coating (P43)

Non-Ferrous Metal:

Primer: Super Spec HP® Waterborne Polyamide Epoxy Metal Primer (P42-70)
Finish: 1 or 2 coats Super Spec HP® Acrylic Epoxy Coating (P43)

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® Acrylic Epoxy Coating (P43)

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® Acrylic Epoxy Coating (P43)

Concrete Floors:

Primer: Super Spec HP® Fast Dry epoxy Floor Sealer / Finish (P41) or Super Spec HP® Acrylic Epoxy Coating Clear (P43-00)
Finish: 2 coats Super Spec HP® Acrylic Epoxy Coating (P43)

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® Acrylic Epoxy Coating (P43)

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® Acrylic Epoxy Coating (P43)

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 use 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 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

HARMFUL IF INHALED. 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 solvents may lead to permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling vapors 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. 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 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 "Clean Up".

KEEP OUT OF REACH OF CHILDREN

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

