



SUPER SPEC HP[®] ALIPHATIC ACRYLIC URETHANE GLOSS P74

Features

- Excellent chemical resistance
- Excellent abrasion resistance
- Excellent gloss retention
- Excellent color retention
- Equals the results of the best baked finishes
- Interior or exterior application
- High traffic floors
- Contains UV absorber
- Can build up to 8 mils wet

Recommended For

Buildings, Machinery, High Abuse Floors, Lockers, Chemical plants, Equipment, Construction Equipment, Highway Equipment, Storage tanks

General Description

This premium two-component, acrylic-modified aliphatic urethane offers outstanding chemical and abrasion resistance combined with excellent color and gloss retention. The cured film of this coating equals the results of the best baked-on finishes, and provides outstanding impact and chip resistance. Performs well on high abuse floors where a non-yellowing gloss finish is desired.

Caution: All floor enamels may become slippery when wet. When used as a floor finish, consider the need for an anti-slip aggregate.

Limitations

- Use tie coat, or mist coat, when applying over porous zinc coatings (i.e., inorganic zinc rich primers)
- Contains strong solvents that could lift conventional coatings
- Coated surfaces may discolor under tires due to tire plasticizer migration

Product Information

Mixing Instructions:

This two-component product is mixed as a 4.2 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 (3 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 15 minutes, and then lightly stir again to ensure uniformity. This product has a workable pot life of 2 - 2 ½ hours at 77° F. Applying the material immediately after the 15 minute's induction time will provide best results.

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

Colors: Standard:

P74-00 Clear

MUST BE MIXED WITH P74-84 CATALYST

—Tint Bases:

P74-90, P74-91, P74-92

Tint bases **ONLY** with Benjamin Moore[®] Super Spec HP[®] Colorants

MUST BE MIXED WITH P74-84 CATALYST

—Special Colors:

Contact your Benjamin Moore & Co. representative

Certification:

VOC compliant in all regulated areas, except South Coast

Master Painters Institute MPI# 72 GPS-1, 78



Technical Assistance:

Available through your local authorized independent Benjamin[®] 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	Aliphatic Acrylic Urethane	
Pigment Type	Titanium Dioxide	
Volume Solids (mixed as recommended)	72% mixed	
Coverage per Gallon at Recommended Film Thickness	575 Sq. Ft @ 2.0 Mil	
Recommended Film Thickness		
Recommended	– Wet	2.8 mils
Film Thickness	– Dry	2.0 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	– To Touch	2 Hours
	– To Recoat	8 Hours
*If top coat is not applied within 72 hours abrade the surface to ensure proper inter-coat adhesion High humidity and cool temperatures will result in longer dry, recoat and service times.		
Dries By	Moisture Cure	
Dry Heat Resistance	350° F	
Viscosity @ 77° F (mixed as recommended)	70 ± 5 KU	
Flash Point	98° F	
Gloss/Sheen	Gloss (85-95 @ 60°)	
Surface Temperature at application	– Min.	40° F
	– Max	95° F
Surface must be dry and at least 5° above the dew point		
Thin With	Do Not Thin	
Clean Up Thinner	P93	
Mixed Ratio (by volume)	4.2:1	
Induction time @ 77° F	15 Minutes	
Pot Life @ 77° F	2 – 2 ½ Hours	
Weight Per Gallon (mixed as recommended)	11.0 lbs	
Storage Temperature	– Min	35° F
	– Max	90° F

Volatile Organic Compounds (VOC)

224 Grams / Liter* 1.9 LBS / Gallon*

* Catalyzed

[∅]Reported values are for Tintable White. 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 provide a roughened surface is an acceptable alternative under normal ambient conditions.

Non-ferrous metal surfaces should be degreased with Super Spec HP® Oil & Grease Emulsifier (P83) 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), Epoxy Mastic (P45) or Universal Metal Primer (P07)

Finish: 1 or 2 coats Super Spec HP® Aliphatic Acrylic Urethane Gloss (P74)

Non-Ferrous Metal:

Primer: Super Spec HP® Epoxy Metal Primer (P33) or Epoxy Mastic (P45)

Finish: 1 or 2 coats Super Spec HP® Aliphatic Acrylic Urethane Gloss (P74)

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

Primer: Super Spec HP® Epoxy Mastic (P45)

Finish: 1 or 2 coats Super Spec HP® Aliphatic Acrylic Urethane Gloss (P74)

Rough or Pitted Masonry:

Primer: Super Spec HP® Waterborne Epoxy Block Filler (P31)

Finish: 1 or 2 coats Super Spec HP® Aliphatic Acrylic Urethane Gloss (P74)

Concrete Floors:

Primer: Super Spec HP® Fast Dry Epoxy Floor Sealer / Finish (P41)

Finish: 2 coats Super Spec HP® Aliphatic Acrylic Urethane Gloss (P74)

Drywall and Plaster:

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

Finish: 1 or 2 coats Super Spec HP® Aliphatic Acrylic Urethane Gloss (P74)

Wood:

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

Finish: 1 or 2 coats Super Spec HP® Aliphatic Acrylic Urethane Gloss (P74)

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

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 - 2500 PSI;
Tip — .013 - .017 Orifice

Thinning/Cleanup

Do not thin.

Cleanup Clean all equipment immediately after use with P93 Super Spec HP® Aliphatic Urethane Thinner. Spray equipment should be given a final rinse with mineral spirits before storage.

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: 2-Heptanone, n-Butyl Acetate, Xylene Aliphatic Polyisocyanate and Hexamethylene Diisocyanate

HARMFUL OR FATAL IF SWALLOWED.

OVEREXPOSURE MAY CAUSE LUNG DAMAGE. MAY CAUSE ALLERGIC SKIN AND RESPIRATORY REACTION, EFFECTS MAY BE PERMANENT. CAUSES EYE, SKIN, NOSE AND THROAT IRRITATION. INDIVIDUALS WITH LUNG OR BREATHING PROBLEMS OR PRIOR REACTION TO ISOCYANATES MUST NOT BE EXPOSED TO VAPOR OR SPRAY MIST.

IMPORTANT: Designed to be mixed with other components. Mixtures 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. 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 safety glasses or chemical resistant goggles, chemical resistant gloves and protective clothing during application and cleanup. 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 air monitoring demonstrates levels are above applicable limits, wear an appropriate, NIOSH approved, properly fitted respirator during application and cleanup. 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 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
FOR PROFESSIONAL USE ONLY
Refer to Material Safety Data Sheet for
additional health and safety information.**