



SUPER SPEC HP®

FAST DRY EPOXY FLOOR SEALER / FINISH P41

Features

- Low VOC
- Low odor
- Low viscosity
- Easy to apply
- Quick recoat time
- Very good abrasion resistance
- Moisture tolerant

General Description

This product performs two roles: as a penetrating sealer that provides the proper foundation for high performance floor systems, and as a high performance clear finish coat. This product is formulated to tolerate some moisture in the substrate, such as areas that are slow drying. If this product is used as the total system, two or more coats should be applied.

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

Recommended For

Animal housing, correctional facilities, food processing plants, laboratories and textile plants. For use on traffic aisles, loading docks, locker rooms, picking and plating rooms, ramps and showers.

Limitations

- Do not apply to wet surfaces. All excessive water must be moved using an industrial wet & dry vacuum
- High humidity will retard drying
- Product will not dry clear if applied heavily or if puddling occurs
- When used as a floor finish consider the need for an anti-slip aggregate

Product Information

Mixing Instructions:

This two-component product is mixed as a 4.3 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 inducing air into the material. Induced 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. This product has a workable pot life of 1 hour at 70°F (21°C). Applying the material immediately after mixing will provide the best results.

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

Colors: —Standard:

P41-00 Clear

MUST BE MIXED WITH P41-84 CATALYST

—Tint Bases:

n/a

—Special Colors:

Contact your Benjamin Moore representative

Certification:

VOC compliant in all regulated areas

**Qualifies for
LEED®
Credit
(FLOOR)**

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◇

Clear

Vehicle Type	Waterborne Polyamide Epoxy
Pigment Type	N/A
Volume Solids (mixed as recommended)	31% mixed
Coverage per Gallon at Recommended Film Thickness	325 Sq. Ft.
Recommended – Wet Film Thickness	4.9 mils 1.5 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	– To Touch 3 Hours
(25°C) @ 50% RH	– To Recoat* 5 Hours
	– Full Cure 7 – 10 Days
*If top coat is not applied within 72 hours abrade the surface to ensure proper inter-coat adhesion. Maximum abrasion and chemical resistance are achieved at full cure; care should be taken to prevent damage to the coating during the curing process. High humidity and cool temperatures will result in longer dry, recoat and cure times.	
Dries By	Chemical Cure
Dry Heat Resistance	240°F
Viscosity (mixed as recommended)	85 – 90 KU
Flash Point	Mixed > 200°F
Gloss / Sheen	Semi-Gloss(50 @ 60°)
Surface Temperature at Application	– Min. 55°F – Max 90°F
Surface must be dry and at least 5° above the dew point.	
Thin With	Do Not Thin
Clean Up Thinner	Water followed by P94
Mixed Ratio (by volume)	4.3:1
Induction time @ 77° F	N/A
Pot Life @ 77° F	1 Hour
Weight Per Gallon (mixed as recommended)	11.7 lbs
Storage Temperature	– Min. 40°F – Max 95°F
Volatile Organic Compounds (VOC)	
97 Grams / Liter*	.81 LBS / Gallon*
* Catalyzed	

♦Reported values are for Clear. Contact Benjamin Moore for values of other bases or colors.

Surface Preparation

Surface preparation is the most critical portion of any successful flooring system application. Substrate must be free of curing membranes and hardening components, or any foreign material that would be detrimental to coating adhesion. All substrates must be properly prepared using the following information.

Concrete should be clean, dry and free of oil, grease, laitance, form release agents and curing compounds. New concrete and masonry must be allowed to cure 30 days. Remove all oil, grease or fats using Super Spec HP® Oil & Grease Emulsifier (P83). Concrete surfaces should be acid etched with Super Spec HP® Concrete Pretreatment & Etch (P85) or mechanically profiled to provide a suitable anchor pattern. Acid etching works best for thin film coating systems; mechanical surface preparation (shot blasting) is the preferred system for 100% solids coating systems or the removal of sealers and hardening compounds.

Slabs on ground or grade must have an efficient vapor barrier, necessary to prevent moisture vapor transmission. Test for moisture following ASTM D- 4253 Plastic Sheet Test. Tape down a clear piece of plastic to the concrete floor for 72 hours, if moisture collects or slab has darkened the moisture/vapor transmission is too high for coating. All unsound concrete must be repaired or replaced prior to coating application. Cracks should be repaired prior to coating application. Expansion joints are treated after the coating is applied.

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. Clean up carefully 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

Sealer Coat: All new or uncoated concrete surfaces should receive one coat of Super Spec HP® Fast Dry Epoxy Floor Sealer/Finish (P41) applied by squeegee and roller or brush at a spread rate of 325 sq. ft. (30 sq. m.) per gallon. The best way to achieve this on a smooth etched surface is by initially spreading the coating with a notched squeegee and then back rolling with a shed resistant 1/4" to 3/8" roller to remove the squeegee lines. For shot blasted concrete use a straight blade squeegee and back roll. This sealer/ finish will tolerate some moisture on the surface.

Finish Coat(s): Apply finish coat(s) of Super Spec HP® Fast Dry Epoxy Floor Sealer/Finish (P41) at a spread rate of 325 sq. ft. (30 sq. m) per gallon. The best way to achieve this on a smooth etched surface is by initially spreading the coating with a notched squeegee and then back rolling with a shed resistant 1/4" to 3/8" roller to remove the squeegee lines. (P67) Anti-Slip Aggregate should be used on smooth floors where an anti-slip surface is desired. For shot blasted concrete use a straight blade squeegee and back roll.

Application

This product can be applied by brush, roller, squeegee / roller or with dual component airless spray equipment. For best results pour the mixed material onto the floor in "ribbons," then spread with a 24" squeegee and lightly back roll using a 1/4" to 3/8" phenolic core lint free roller.

Caution: Do not allow Super Spec HP® Fast Dry Epoxy Floor Sealer / Finish (P41) to pool or puddle on the floor. Material that pools will not dry clear. Re-roll to re-distribute any pooled material.

Thinning/Cleanup

Do not thin.

Cleanup: Clean all equipment immediately after using, with water followed by Super Spec HP® Aromatic Thinner (P94) or Xylol.

USE COMPLETELY OR DISPOSE OF PROPERLY. This product contains organic solvents 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: Epoxy Resin, Alkyl Glycidyl Ether and Glycol Ethers
CAUSES IRRITATION TO EYES, SKIN AND RESPIRATORY TRACT. MAY CAUSE ALLERGIC SKIN REACTION. HARMFUL IF SWALLOWED. HARMFUL IF INHALED. HARMFUL IF ABSORBED THROUGH SKIN.

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 chemical resistant goggles and face shield, chemical resistant gloves and protective clothing during application and cleanup. Do not wear contact lenses. To avoid breathing vapors or spray mist open doors, windows or use other means to ensure fresh air entry during application and cleanup. 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 cleanup. 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.

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 sanding dust, remove to fresh air. In cases of eye contact, flush immediately with copious amounts of water holding eyelids open for at least 15 minutes and call a physician immediately; for skin, remove contaminated clothing and flush affected area with water for at least 15 minutes. In case of ingestion, DO NOT INDUCE VOMITTING, get medical help immediately.

IN CASE OF: FIRE – Use foam CO2, dry chemical or water fog.
SPILL – Absorb with inert material and dispose of in accordance with applicable regulations.

**KEEP OUT OF REACH OF CHILDREN
FOR PROFESSIONAL USE ONLY
PROTECT FROM FREEZING**

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