



SUPER SPEC HP[®]

POLYAMIDE EPOXY METAL PRIMER P33

Features

- Corrosion resistant
- Chemical resistant
- Excellent adhesion
- Supports epoxy and urethane top coats
- Interior or exterior applications

General Description

This two component epoxy primer is formulated to protect clean or pretreated metal which is exposed to corrosive environments. This corrosion and chemical resistant primer can be used on interior or exterior surfaces. This epoxy primer provides the foundation necessary to support high performance epoxy or urethane top coat systems.

Recommended For

Protecting ferrous and nonferrous metals on interior and exterior surfaces For use on tanks, equipment, structural or support steel, bar joists, roof decks, catwalks, stairs, piping, buildings, lockers, and doors For protecting food processing plants, chemical plants, marine, bottling plants, fertilizer plants, sugar mills, water and waste treatment plants, and power plants

Limitations

- Not to be applied over conventional coatings without prior testing

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" and "B" and mix thoroughly (3-5 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, and then lightly stir again to ensure uniformity. This product has a workable pot life of 5 1/2 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: —Standard:

P33-70 Gray

MUST BE MIXED WITH P33-84 CATALYST

—Tint Bases:

None

—Special Colors:

Contact your Benjamin Moore Representative

Certification:

VOC compliant 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[◇]

Gray

Vehicle Type	Polyamide Epoxy
Pigment Type	Titanium Dioxide, Corrosion Inhibitors & Select Inerts

Volume Solids (mixed as recommended)	59% mixed
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Coverage per Gallon at	475 Sq. Ft. @ 2.0 mils
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Recommended Film Thickness

Recommended – Wet	3.4 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	1 ½ Hours
(25°C) @ 50% RH – To Recoat*	4 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	Chemical Cure
Dry Heat Resistance	400°F

Viscosity (mixed as recommended)	90 ± 5 KU
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Flash Point	100° F
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Gloss / Sheen	Flat (0-5 @ 60°)
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Surface Temperature – Min.	60°F
at Application – Max.	90°F

Surface must be dry and at least 5° above the dew point.

Thin With	Do Not Thin
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Clean Up Thinner	P95
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Mixed Ratio (by volume)	1:1
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Induction time @ 77°F	30 Minutes
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Pot Life @ 77°F	5 ½ Hours
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Weight Per Gallon (mixed as recommended)	11.4 lbs
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Storage Temperature – Min.	40°F
– Max.	90°F

Volatile Organic Compounds (VOC)

334 Grams / Liter* 2.78 LBS / Gallon*
* Catalyzed

[◇] Reported values are for Gray. Contact Benjamin Moore 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 Corotech® Oil & Grease Emulsifier (V600) according to label directions. Glossy existing coatings should be dulled by abrading the surface. Test existing coatings to ensure compatibility before applying this primer.

In mild environments 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. In severe environments or when used for immersion service, metal substrates should be cleaned and profiled by Near White Blast Cleaning to SSPC-SP10 to remove mill scale, rust, and other contaminants and leave a roughened surface.

Non-ferrous metal surfaces should be de-greased with Corotech® Oil & Grease Emulsifier (V600) and abraded with very fine sandpaper or a synthetic steel wool pad to promote adhesion.

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.

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 "1/4" shed resistant" roller, or a similar product. Do not use long or medium nap rollers with this product. This product can also be sprayed.

Spray, Airless: Fluid Pressure —1500 - 2500 PSI;
Tip — .015 - .021 Orifice*

*The high solids nature of this coating may require the use of an airless sprayer with a minimum 1 gpm flow rate and a slow pump speed to achieve proper atomization.

Thinning/Cleanup

Do not thin.

Cleanup: Clean all equipment immediately after using, with Super Spec HP® Epoxy Thinner (P95).

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: n-Butyl Alcohol, Epoxy Resin, Petroleum Distillates and Polyamide Resin.

VAPOR HARMFUL. MAY AFFECT THE BRAIN OR NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE OR NAUSEA. CAUSES EYE, SKIN, NOSE AND THROAT IRRITATION. CAUSES EYE AND SKIN BURNS. MAY BE HARMFUL IF ABSORBED THROUGH SKIN. HARMFUL IF SWALLOWED.

Cancer Hazard: Contains Crystalline Silica which can cause cancer when in respirable form (spray mist or sanding dust).

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.

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.

Keep away from heat and flame. **Use only with adequate ventilation.** Vapors are heavier than air and may travel along ground or moved by ventilation and ignited by pilot lights, or other flames, sparks, heaters, or static discharge. Do not breathe vapors or sanding dust. Avoid contact with eyes, skin and clothing. 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.

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 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 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 as specified under "Clean Up".

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

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