



**FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION**

BOB MARTINEZ CENTER
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32399-2400

RICK SCOTT
GOVERNOR

CARLOS LOPEZ-CANTERA
LT. GOVERNOR

HERSCHEL T. VINYARD JR.
SECRETARY

September 19, 2014

VIA ELECTRONIC MAIL
sepps@eppsdecorating.com

Mr. Scott Epps
Epps Decorating Center
2270 Allen Road
Tallahassee, FL 32312

Subject: Approval of the Benjamin Moore Super Spec® Epoxy Mastic P45 and
The Corotech Coatings Surface Tolerant Epoxy Mastic Coating V160
File No. EQ-830

Dear Mr. Epps:

The Office of District and Business Support has concluded its review of the Equipment Approval request dated July 30, 2014, that was submitted for the Benjamin Moore Super Spec® Epoxy Mastic P45 and the Corotech Coatings Surface Tolerant Epoxy Mastic Coating V160, pursuant to Rules 62-762.501(1)(b), 62-762.501(1)(e)3., and 62-762.851(2), Florida Administrative Code (F.A.C.). The Benjamin Moore Super Spec® Epoxy Mastic P45 and the Corotech Coatings Surface Tolerant Epoxy Mastic Coating V160 are epoxy mastic coatings for secondary containment systems. The coatings may be used on concrete or metallic surfaces.

Based on the information provided by Benjamin Moore and by Corotech Coatings, the Benjamin Moore Super Spec® Epoxy Mastic P45 and the Corotech Coatings Surface Tolerant Epoxy Mastic Coating V160 provide environmental protection substantially equivalent to that provided by compliance with the requirements established in Rules 62-762.501(1)(b), and 62-762.501(1)(e)3., F.A.C. The Benjamin Moore Super Spec® Epoxy Mastic P45 and the Corotech Coatings Surface Tolerant Epoxy Mastic Coating V160 may be used as surface coating for secondary containment systems associated with aboveground or underground storage tank systems.

Pursuant to Rule 62-762.851(2), F.A.C., the request for the use of the Benjamin Moore Super Spec® Epoxy Mastic P45 and the Corotech Coatings Surface Tolerant Epoxy Mastic Coating V160 is approved in the State of Florida as a surface coating for secondary containment systems associated with aboveground or underground storage tank systems. The surface preparation and application procedures for the Benjamin Moore Super Spec® Epoxy Mastic P45 and the Corotech Coatings Surface Tolerant Epoxy Mastic Coating V160 shall be made in accordance with the manufacturer's recommendations.

Please be advised that the above referenced DEP rules are subject to change. If the above rule standards are modified in the future, this order may be modified or rescinded for future upgrades and installations.

Additionally, if the product(s) show a consistent pattern of failure(s), and therefore does not provide substantially equivalent environmental protection, the Department may rescind this order.

The Department's Order shall become final unless a timely petition for an administrative hearing is filed under sections 120.569 and 120.57, F.S., within **21** days of receipt of this Order. Persons who have filed such a petition may seek to mediate the dispute and choosing mediation will not adversely affect the right to a hearing if mediation does not result in a settlement. The procedures for petitioning a hearing and pursuing mediation are set forth below.

Persons affected by this Order have the following options:

- A. If you choose to accept the Department's decision regarding the Order, you do not have to do anything. This Order is final and effective as of the date on the top of the first page of this Order.
- B. If you choose to challenge the decision, you may do the following:
 - 1. File a request for an extension of time to file a petition for hearing with the Department's Agency Clerk in the Office of General Counsel within **21** days of receipt of this Order. This request should be made if you wish to meet with the Department in an attempt to resolve any disputes without first filing a petition for hearing or negotiate an agreement to mediate; or
 - 2. File a petition for administrative hearing with the Department's Agency Clerk in the Office of General Counsel within **21** days of receipt of this Order.

In addition to requesting an administrative hearing, any petitioner may elect to pursue mediation under Section 120.573, F.S., and must negotiate an agreement to mediate within **10** days after the deadline for filing a petition.

How to Request an Extension of Time to File a Petition for Hearing

For good cause shown, pursuant to Rule 62-110.106(4), F.A.C., the Department may grant a request for an extension of time to file a petition for hearing. Such a request must be filed (received) by the Agency Clerk in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida, 32399-3000, within **21** days of receipt of this Order. Petitioner, if different from the applicant, shall mail a copy of the request to the applicant at the time of filing. Failure to file a petition within this time period shall waive the right of anyone who may request an administrative hearing under Sections 120.569 and 120.57, F.S.

How to File a Petition for Administrative Hearing

A person whose substantial interests are affected by this Order may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) by the Agency Clerk in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, MS 35, Tallahassee, Florida, 32399-3000, within **21** days of receipt of this Order. Petitioner, if different from the applicant shall mail a copy of the petition to the applicant at the time of filing. Failure to file a petition within this time period shall waive the right of anyone who may request an administrative hearing under Sections 120.569 and 120.57, F.S.

Pursuant to Subsection 120.569(2), F.S., and Rule 28-106.201, F.A.C., a petition for administrative hearing shall contain the following information.

- a) The name, address, and telephone number of each petitioner; the name, address, and telephone number of the petitioner's representative, if any, the site owner's name and address, if different from the petitioner, the DEP facility number, and the name and address of the facility;
- b) A statement of when and how the petitioner received notice of the Department's action or proposed action;
- c) An explanation of how each petitioner's substantial interests are or will be affected by the Department's action or proposed action;
- d) A statement of the disputed issues of material fact, or a statement that there are no disputed facts;
- e) A concise statement of the ultimate facts alleged, including a statement of the specific facts the petitioner contends warrant reversal or modification of the Department's action or proposed action;
- f) A statement of the specific rules or statutes the petitioner contends requires reversal or modification of the Department's action or proposed action; and
- g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the Department to take with respect to the Department's action or proposed action.

How to Pursue Mediation

In addition to requesting an administrative hearing, any petitioner may elect to pursue mediation. The election may be accomplished by filing with the Department a mediation agreement with all parties to the proceeding (i.e., the applicant, the Department, and any person who has filed a timely and sufficient petition for hearing). The agreement must contain all the information required by Rule 28-106.404, F.A.C. The agreement, signed by all parties, must be received by the Agency Clerk in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida, 32399-3000 within **10** days after the deadline for filing a petition, as set forth above. Choosing mediation will not adversely affect the right to a hearing if mediation does not result in a settlement.

Pursuant to Rule 28-106.404, F.A.C., an agreement to mediate must include the following.

- (i) The name, address, and telephone number of the persons who may attend the mediation, (also the DEP facility number, the name and address of the facility if applicable);
- (ii) The name, address, and telephone number of the mediator agreed to by the parties;
- (iii) How the costs and fees associated with the mediation will be allocated (the Department will not pay any of the costs of mediation);
- (iv) The agreement of the parties regarding the confidentiality of discussions and documents introduced during mediation to the extent authorized by law;
- (v) The date, time, and place of the first mediation session;
- (vi) The name of the party's representative who shall have authority to settle or recommend settlement; and
- (vii) The signature of the parties.

As provided in Section 120.573, F.S., the timely agreement of all parties to mediate will toll the time limitations imposed by Sections 120.569 and 120.57, F.S., for holding an administrative hearing and issuing a final order. Unless otherwise agreed by the parties, the mediation must be concluded within sixty days of the execution of the agreement. If mediation results in settlement of the administrative dispute, the Department must enter a final order incorporating the agreement of the parties. Persons seeking to protect their substantial interests that would be affected by such a modified final decision must

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file their petitions within **21** days of receipt of this notice, or they shall be deemed to have waived their right to a proceeding under Sections 120.569 and 120.57, F.S. If mediation terminates without settlement of the dispute, the Department shall notify all parties in writing that the administrative hearing processes under Sections 120.569 and 120.57, F.S., are resumed.

This Order is final and effective as of the date it is clerked and filed (see page 5). Timely filing a petition for administrative hearing postpones the date this Order takes effect until the Department issues either a final order pursuant to an administrative hearing or mediation settlement.

Judicial Review

Any party to this Order has the right to seek judicial review of it under Section 120.68, F.S., by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the Agency Clerk of the Department in the Office of General Counsel, Mail Station 35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within thirty days after this order is filed with the clerk of the Department (see below).

Questions

Any questions regarding the Department's review of your equipment approval should be directed to John Svec at (850)245-8845. Questions regarding legal issues should be referred to Rebecca Robinette, Office of General Counsel, at (850)245-2242. Contact with any of the above does not constitute a petition for administrative hearing, a request for a time extension to file a petition for hearing or an agreement to mediate.

Sincerely,



John A. Coates, PE, Assistant Division Director
Division of Waste Management

JAC/js

FILING AND ACKNOWLEDGMENT FILED,
on this date, pursuant to §120.52 Florida Statutes,
with the designated Department Clerk, receipt of
which is hereby acknowledged.



Clerk
(or Deputy Clerk)

9/19/14
Date



SURFACE TOLERANT EPOXY MASTIC COATING V160

Features

- Suitable for Use in USDA Inspected Facilities*
- High Solids
- Can Be Used for Immersion Applications

Recommended For

Ferrous Metal, Galvanized, Aluminum, concrete, Aged Coatings. Intended for use on hand prepared rusty ferrous metal, abrasive blast cleaned and hydro-blasted ferrous metal, blasted concrete, and over a wide range of intact aged coatings. **Corotech® Epoxy Mastic V160 will amber and chalk if exposed to ultraviolet light.** Use in industrial maintenance, coastal structures, pulp and paper plants, food and beverage plants, structural steel, tank exteriors, bridges, offshore, marine and immersion in fresh or salt water.

General Description

Corotech® V160 Surface Tolerant Epoxy Mastic is a high solids, surface tolerant epoxy formulated for professional use. This product is excellent for use on ferrous and non-ferrous metals, and when properly top-coated, exhibits excellent chemical and moisture resistance. Resists solvents, dilute acids and alkali attack. Is suitable for use for protecting concrete substrates in secondary containment applications and can be used for immersion applications. Additionally, this primer is formulated to offer long-term rust prevention, and is excellent when used in a system with epoxy intermediates, immersion service epoxies, and other high performance topcoats. Available in White and Bases. This product is suitable for use in USDA inspected facilities. **This is a two-component product that requires 1 part of the V160 "A" Component mixed with 1 part of the V160-90 "B" Component. Do not mix partial kits.**

Limitations

- This product will not cure at surface temperatures below 45°F (7.2°C).
- Do not paint if surface temperature is within 5 degrees of the dew point or if rain is expected within 12 hours.

Product Information

Colors — Standard:	Technical Data◇	Tintable White
N/A	Generic Type	Polyamide Epoxy
	Pigment Type	Titanium Dioxide
— Tint Bases:	Volume Solids (mixed as recommended)	78.4%
V160.86 Tintable White	Coverage per Gallon at	
V160.87, Deep Base	Recommended Film Thickness	175 – 275 Sq. Ft.
V160.88, Clear Base	Recommended – Wet Film Thickness	7.1 mils
	– Dry	3.3 mils
— Special Colors:	Depending on surface texture and porosity.	
Contact your dealer.	Dry Time – To Touch	4 Hours
	@ 77°F – To Recoat	12 Hours – 6 Weeks
Certification:	*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.	
The products supported by this data sheet contain a maximum of 250 grams per liter VOC / VOS (2.08 lbs/gal.) excluding water & exempt solvents.	Dries By	Chemical Cure
This product is compliant under the Ozone Transport Commission regulations as an Industrial Maintenance Coating.	Dry Heat Resistance	250° F
This product does meet qualifications for LEED (Leadership in Energy and Environmental Design) projects on metal as an Anti-Rust Coating.	Viscosity @ 77°F (mixed as recommended)	90 – 95 KU
Suitable for use in USDA inspected facilities.	Flash Point	Mixed: Greater than 80° F. (TT-P-141, Method 4293)
	Gloss/Sheen	45 – 55 (Units @ 60°)
	Surface Temperature – Min.	45°F
	at application – Max.	90°F
	Thin With	Do Not Thin
	Clean Up Thinner	Corotech® V704 Epoxy Reducer
	Mixed Ratio (by volume)	1 : 1
	Induction time @ 70°F (21 °C)	15 Minutes
	Pot Life @ 77°F (25 °C)	2 Hours
	Weight Per Gallon (mixed as recommended)	11.6 lbs.
	Storage Temperature – Min.	45°F
	– Max.	95°F
	Volatile Organic Compounds (VOC)	
	184 Grams / Liter* 1.54 LBS / Gallon*	
	* Catalyzed	
Technical Assistance:	Available through your local authorized independent dealer. For the location of the dealer nearest you, call 1-800-225-5554, see www.corotechcoatings.com or consult your local Yellow Pages.	

Surface Tolerant Epoxy Mastic Coating V160

◇ Reported values are for Tintable White. Contact dealer for values of other bases or colors.

Surface Preparation

All surfaces must be sound, dry, clean and free of oil, grease, dirt, mildew, mill scale, form release agents, curing compounds, loose and flaking paint and other surface contaminants.

NEW SURFACES: Concrete and Masonry: All masonry surfaces must be allowed to cure a minimum of 30 days before painting. Acid etch or abrasive blast all slick, glazed concrete or concrete with laitance. For acid etching, follow all manufacturer's directions and safety instructions. Rinse thoroughly and allow to dry. Prime concrete with one coat of V155 100% Solids Epoxy Pre-Primer.

Steel and Ferrous Metals: All direct to metal coatings provide maximum performance over near white metal blasted surfaces (SSPC-SP 10). There are however, situations and cost considerations that may prevent this type of surface preparation from being done. Corotech® Industrial Coatings have been designed to provide protection over less than ideal surfaces. The recommended standard is a commercial blast (SSPC-SP 6). The steel profile after the blast should be 1-2 mils and be jagged in nature. Surfaces must be free of grit dust. The coating should be applied as soon as possible after the blast in order to prevent flash rusting or surface contamination. Hand tool cleaning (SSPC-SP 2) or power tool cleaning (SSPC-SP 3) can be used if blasting is not possible. In areas where adequate surface preparation is not possible the use of V155 100% Solids Epoxy Pre-Primer is recommended. In highly corrosive areas where additional rust inhibitive qualities are required, prime with one coat of V170 Organic Zinc Rich Primer and an acrylic barrier coat prior to applying epoxy coatings.

Galvanized and Non-Ferrous Metals: Solvent clean all surfaces. Apply one coat of Corotech® V110 Acrylic Metal Primer or V175 Waterborne Bonding Primer.

Previously Painted Surfaces: Can be applied over most old industrial finishes in good condition. Test patches are recommended to check for wrinkling or lifting of existing coatings. V155 100% Solids Epoxy Pre-Primer may be used as a barrier coat over all existing coatings.

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

Mixing Instructions:

This is a two component kit and is pre-proportioned for error free mixing. DO NOT vary from these instructions. Mix "A" & "B" separately before combining

- Carefully combine the entire contents of V160-90 activator with the V160-Part A component; scrape the sides of the pail of Part B to make sure all liquid has been added.
- Using a jiffy mixer at low speed, blend this mixture for three to five minutes until completely blended. Keep the mixing blade turning at a slow speed to minimize whipping air into material. Scrape sides of pail during the mixing process.
- Care must be taken to assure both components are completely mixed in order to avoid partially cured spots in the coating.
- Allow to induct for 15 minutes.

Do not thin this product – it is ready to use once both components are thoroughly mixed.

It is extremely important to remember that Epoxy Coatings have a limited pot life; therefore, it is wise to make sure sufficient manpower and correct application tools are in order prior to starting the mixing sequence. Estimated pot life is: 5 Hrs. @ 50°F (10°C) / 3 Hrs. @ 60°F (15°C) / 2 Hrs. @ 77°F (25°C) / 1 Hr. @ 100°F (38°C)

Application:

Airless Spray (Preferred Method): Tip range between .019 and .021. Total fluid output pressure at tip should not be less than 2100 psi.

Air Spray (Pressure Pot): DeVilbiss MBC or JGA gun, with 704 or 765 air cap and Fluid Tip E.

Brush: Natural Bristle only.

Roller: Industrial Cover with Phenolic core. ¼" – ½" nap.

NOTE: Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with recommended thinner. No reduction is necessary. Do not apply if material, substrate or ambient temperature is below 45°F (7.2 °C). Relative humidity should be below 90%. Do not apply if within 5 degrees of dew point or if rain is expected within 12 hours of application.

Additional Notes: All high gloss surfaces can be slippery. Where non-skid properties are required, a non-skid additive should be used. All epoxy coatings will chalk and fade if applied on exterior surfaces subjected to direct sunlight. All epoxies tend to yellow. Where color and gloss retention is important top-coating will be necessary. This product will stain with prolonged exposure to some solvents and chemicals or in kennels if exposed to animal waste. This staining will not affect the durability or protective qualities of the coating. This product will not cure at surface temperatures below 45°F (7.2 °C). Do not paint if surface temperature is within 5 degrees of the dew point or if rain is expected within 12 hours.

TEST DATA	
Direct Impact Resistance	90 in. ob.
Flexibility (ASTM D1737)	Pass ¼" Mandrel
Persoz Pendulum Hardness	170
Reverse Impact Resistance	40 in. lb.
Steam Resistant	Yes
Dry Heat Resistance	250° F
Wet Heat Resistance	150° F
Adhesion (ASTM D3359)	Pass 5B
Abrasion (ASTM D4060)	1 kg load/1000 cycles/CS-17 Wheel: 80 mg loss
Humidity (ASTM D4585) (1000 Hours)	Face Corrosion: None Face Blistering: None
Salt Spray (ASTM B117) (1 Coat, 6 mils, 3000 Hours)	Face Corrosion: None Face Blistering: None

CHEMICAL RESISTANCE GUIDE (NON-IMMERSION)	
Fresh Water	Excellent
Salt Water	Excellent
Acids	Good
Alkalis	Excellent
Solvents	Excellent
Fuel	Excellent
Acidic Salt Solutions	Excellent
Alkaline Salt Solutions	Excellent
Neutral Salt Solutions	Excellent

SYSTEMS RECOMMENDATIONS	
PRIMERS	
Ferrous Metal (Blasted)	Use Direct, or use V150 Line Primer
Ferrous Metal (Marginally Prepared)	Use Direct
Non-Ferrous Metal	Use Direct, or use V175-00
Concrete	Use Direct or use V155-00, V163-01, or V400-00 Clear
Aged coatings	Use Direct
COMPATIBLE FINISHES	
V400 Line, V410, V440 Line, V500 Line, V510 Line, V520 Line, and other Alkyds, Acrylics and Moisture Cured Urethanes	
For substrates other than listed above, or for usage in severe environmental conditions, please consult with Insl-X® Technical Service.	

Surface Tolerant Epoxy Mastic Coating V160

Cleanup

Clean up with Corotech® V704 Epoxy Reducer.

USE COMPLETELY OR DISPOSE OF PROPERLY. This product contains organic solvents which may cause adverse effects to the environment if handled improperly. Emptied containers may retain product residue. Follow label warnings even after container is emptied. Residual vapors may explode on ignition.

Disposal of wastes containing either organic solvents or free-liquids in landfills is prohibited. **Local disposal requirements vary; consult your sanitation department or state-designated environmental agency for local disposal options.**

Environmental, Health & Safety Information

DANGER!

FLAMMABLE LIQUID AND VAPOR

VAPOR HARMFUL

Contains: Polyamide, Xylene, Epoxy resin, Propylene glycol monomethyl ether

HARMFUL OR FATAL IF SWALLOWED. ASPIRATION HAZARD. CAUSES IRRITATION TO EYES, SKIN AND RESPIRATORY TRACT. MAY CAUSE ALLERGIC SKIN AND RESPIRATORY REACTION. HARMFUL IF ABSORBED THROUGH SKIN. VAPORS MAY AFFECT BRAIN OR NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHES AND NAUSEA.

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

IMPORTANT: Designed to be mixed with other components. Mixture will have hazards of all 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.

Caution: All floor coatings may become slippery when wet. Where non-skid characteristics are desired, a small amount of clean sand may be added. Stir often during application

Keep away from heat and flame. Vapors may cause flash fire. Prevent build-up of vapors by opening all windows and doors to achieve cross 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. **Use only with adequate ventilation.** Do not breathe vapors, spray mist or sanding dust. Avoid contact with eyes, skin and clothing. Wear eye protection, 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. Wear an appropriate, properly fitted respirator (NIOSH approved) during and after application, unless air monitoring demonstrates vapor/mist levels are below applicable limits. Follow respirator manufacturer's directions for respirator use. Do not permit anyone without protection in the painting area. Aspiration hazard. Small amounts aspirated into the respiratory system may cause mild to severe pulmonary injury. 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. If continued difficulty is experienced, get medical attention immediately. In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. If swallowed, do not induce vomiting. Get medical attention immediately.

IN CASE OF FIRE – Use foam, CO2, dry chemical or water fog.

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

NOT FOR RESIDENTIAL USE

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



SUPER SPEC HP® EPOXY MASTIC P45

Features

- Self-priming
- Apply over tightly adhering rust
- Good flexibility
- Good impact resistance
- Good wetting properties
- No lifting of conventional coatings
- Immersion in fresh or salt water
- Reduced undercutting at damaged areas

General Description

This two-component, self-priming, high-build epoxy offers exceptional adhesion over marginally prepared surfaces. It exhibits excellent flexibility and impact resistance, and provides excellent wetting that allows application over tight-adhering rust. The low solvent content reduces pin-holing and lifting of conventional coatings. May be used as a high-build primer, intermediate coat or for single coat applications. Provides superior corrosion resistance for ferrous and non-ferrous metals and protects masonry substrates from damage caused by abrasion and chemical attack.

Recommended For

Bulk storage tanks, Roof decks, Bottling plants, Piping & Catwalks, Food processing, Structural and support steel, Bar joists, Water and waste treatment plants and power generating plants.

Limitations

- Not for immersion in low pH liquids
- Not for immersion in strong solvents
- Tendency to yellow on exterior surfaces
- Limited low temperature cure
- Limited gloss retention on exterior surfaces

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 (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 30 minutes; then lightly stir again to ensure uniformity. This product has a workable pot life of 6 hours at 70° F (21° C). Applying the material immediately after the 30 minute induction.

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

Colors: —Standard:

None

—Tint Bases:

P45-90 Tintable White
P45-91 Deep Base
P45-92 Clear Base

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

MUST BE MIXED WITH P45-84 CATALYST

—Special Colors:

Contact your Benjamin Moore & Co., Limited representative

Certification:

VOC Compliant in all regulated areas, except South Coast

Master Painters Institute MPI #108

**Qualifies for
LEED®**
(ANTI-CORROSIVE)
Credit when used
on Metal Substrates

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[◇]

Vehicle Type	Amido Amine Epoxy
Pigment Type	Titanium Dioxide & Corrosion Inhibitors

Volume Solids (mixed as recommended)	77% mixed
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Coverage per Gallon at Recommended Film Thickness	315 Sq. Ft.
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Recommended — Wet	5.0 mils
Film Thickness — Dry	4.0 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	4 Hours
(25° C) @ 50% RH — To Recoat*	8 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
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Dry Heat Resistance	350° F
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Viscosity (mixed as recommended)	90 ± 5 KU
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Flash Point	105° F (40.6° C)
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Gloss / Sheen	Semi-Gloss (30-50 @ 60°)
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Surface Temperature — Min.	40° 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	6 Hours
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Weight Per Gallon (mixed as recommended)	12.8 lbs
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Storage Temperature — Min.	40° F
— Max	90° F

Volatile Organic Compounds (VOC)

193 Grams / Liter* 1.61 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.

Super Spec HP® Epoxy Mastic (P45) provides excellent adhesion and wetting properties over marginally prepared substrates. 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 SSPCSP11 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 Super Spec HP® Oil and 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 30 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

Super Spec HP® Epoxy Mastic (P45) is self priming in most cases. For exterior exposures top coating with (P74) Aliphatic Urethane Gloss will provide a system with improved gloss and color retention.

Mild Exposures: 1 or 2 coats of Super Spec HP® Epoxy Mastic (P45), minimum dry film thickness of 4.0 mils.

Severe Exposures: 2 coats of Super Spec HP® Epoxy Mastic (P45), minimum dry film thickness of 8.0 mils.

Immersion Service: 3 coats of Super Spec HP® Epoxy Mastic (P45), minimum dry film thickness of 12.0 mils.

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 to 3000 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

Clean all equipment immediately after use 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: Modified polyamine and Epoxy Resin. CAUSES EYE AND SKIN IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION. MAY BE HARMFUL IF ABSORBED THROUGH SKIN. MAY CAUSE ALLERGIC RESPIRATORY REACTION.

Cancer hazard: Contains Crystalline Silica that 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.

Use only with adequate ventilation. 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. May cause allergic skin reaction. 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 VOMITING, 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.**