

PART 1. GENERAL

1.01 Summary

A. Section Includes: A damp proof membrane, formulated with 100% solids epoxy resins, designed to withstand moisture vapor from damp surfaces or green concrete. Priopoxy DP allows immediate installation of moisture sensitive floor finishes onto concrete screeds which have a moisture content of up to 90% relative humidity. The recommended application thickness is 16 mils. Comply with U.S. Federal VOC regulations.

B. Related Sections: Section related to this section includes:

1. Section 03 35 00 – Cast-in-Place Concrete: Concrete Finishing.
2. Section 09 96 00 – Painting and Coating: High-Performance Coatings.

1.02 System Description

A. Performance Requirements: Provide resinous flooring which has been manufactured and installed to maintain performance criteria stated by manufacturer without defect, damage or failure.

1.03 Submittals

A. General: Submit product information in accordance with Section 01300.

B. Product Data: Submit manufacturer's literature, specifications and application instructions for all products provided.

C. Samples: Submit selection and verification samples of the coating.

D. Quality Assurance Submittals: Submit list of five projects similar in nature, which have been installed by applicator during the last five years; identified with project name, location, name of owner's representative, their phone number and date.

E. Warranty: Submit a copy of manufacturer's warranty and applicator's warranty.

1.04 Quality Assurance

A. Qualifications:

1. Qualified Applicator: Applicator must be trained by manufacturer or supervised by personnel trained by manufacturer, with a minimum of three years experience and a minimum of 10 jobs or 1,000,000 square feet of successful applications.

B. Pre-Application Meeting: Convene a pre-application meeting to verify project requirements, substrate conditions, installation instructions and manufacturer's warranty requirements. Require attendance of parties directly affecting work of this section, including the Contractor, Architect, Applicator and Manufacturer's Representative.

1.05 Delivery, Storage and Handling

A. Delivery: Deliver materials in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.

B. Storage and Protection: Store materials and handle in accordance with manufacturer's instructions.

1. Store in a cool, dry area out of direct sunlight.
2. Keep containers sealed until ready for use.
3. Storage Temperature: 65 °F (18 °C) and 90 °F (32 °C).

1.06 Project Conditions

A. Installation Procedure: Install materials in accordance with all safety procedures required by manufacturer and applicable rules and regulations of local, state and federal authorities having jurisdiction.

B. Environmental Requirements: Substrate and ambient temperature shall be in accordance with manufacturer's requirements.

1. Do not install flooring when temperature is below 65 °F (18 °C).
2. Maintain temperature within the recommended range before, during and after installation.
3. Ventilate area where flooring is being installed.

1.07 Warranty

A. Written manufacturer's warranty covering materials only.

B. Applicator must provide an application warranty.



PART 2. PRODUCTS

2.01 Manufacturer

A. Manufacturer: Pricoat, S.A. de C.V.

1. Contact: Nicolás Gogol #11343, Complejo Industrial Chihuahua; Chihuahua, Chih., Méx., 31109; Ph: 52 (614) 481-4344; Fax: 52 (614) 481-0302; E-mail: info@pricoat.com.mx; website: www.pricoat.com.mx.

2.02 Materials

A. Damp Proof Membrane: Priopoxy DP - A two-component epoxy.

1. Volatile Organic Compound (VOC), ASTM D3960
0 lb/gal
2. Tensile Strength, ASTM D638
2,175 psi
3. Water Vapor Permeability, ASTM E96
5 g/m²/24 hr

D. Colors:

1. Clear.

PART 3. EXECUTION

3.01 Examination

A. Verification of Conditions: Examine concrete surface. Notify the Architect if surface is not acceptable. Do not begin surface preparation or product application until unacceptable conditions have been corrected.

1. Concrete must be at least 60 days old.
2. CHECK FOR MOISTURE: Concrete moisture testing must occur. Readings must be below 8.0 lbs/1,000 ft²/24 hours on the calcium chloride test. NOTE: Although testing is critical, it is not a guarantee against future problems. This is especially true if may have concrete contamination from oils, chemical spills or excessive salts.

3.02 Preparation

A. Prepare surfaces for flooring in accordance with manufacturer's instructions and warranty conditions.

1. Repair substrate and surface to flatness tolerances meeting coatings manufacture's requirements. This paragraph should be used only for existing substrates. For new substrates, specify required flatness and floor condition in the specification section covering the substrate, not as the coatings installer's responsibility.
2. Clean with detergent and rise with clean water to remove surface dirt, grease and oil.
3. Remove any coating or membrane for existing concrete with one of the following methods:
 1. Acid etching.
 2. Diamond Grind.
 3. Shotblast.
4. Vacuum or sweep concrete surface.

3.03 Installation

A. Apply floor coating system in accordance with manufacturer's instructions.

1. Assemble squeegees and rollers; clean rollers to remove residual lint.
2. Damp Proof Membrane: Priopoxy DP.
 1. Mix components together.
 2. Mix only enough material which can be applied within the work time (see product bulletin for approximate work times).
 3. Apply Priopoxy DP at a total coverage rate of 100 ft²/gal.
 4. Allow coating to cure 15 to 18 hours at 75 °F (24 °C) and 50% relative humidity before opening to foot traffic. Allow more time at low temperatures and/or for heavier traffic. For more information, consult the product bulletin.

3.04 Protection

A. Close job site to light traffic for a period of 28 hours after system application is completed.

END OF SECTION

