



ENVIRO-GRIP™ EP#1

A Two Component, 100% Solids, Solvent Free, Epoxy-polyamine Primer
For Use on Concrete, Plywood and Other Heavy Traffic Areas – Indoor/Outdoor

1.01 DESCRIPTION

Enviro-Grip™ EP#1 is a two-component, low-odor, liquid-applied, epoxy-polyamine primer with unique penetrating characteristics. This primer is recommended for use on concrete, plywood and other heavy traffic areas. Use in indoor or outdoor applications. Be sure to use the right product grade that complies with VOC regulations as per federal, state, statutory bodies, county and city regulations/codes at the place of installation of product.

1.02 FEATURES

- Low odor
- 100% solids
- Solvent free
- Low viscosity
- Excellent adhesion

1.03 TYPICAL USES

- Concrete
- Plywood
- Glass Reinforced Plastics
- Polyurethane Elastomeric Surfaces

1.04 COLORS

Side-A: blue, Side-B: yellow

1.05 PACKAGING

3-gallon kit: One 3.5 gallon pail containing net 2 gallons (7.57 liters) of Side-A blue liquid and 1 gallon (3.78 liters) can of Side-B yellow liquid

15-gallon kit: Two 5 gallon (18.9 liters) pails of Side-A blue liquid, each containing 5 gallons and one 5 gallon pail of Side-B yellow liquid, containing 5 gallons (18.9 liters)

1.06 SURFACE PREPARATION

Refer to General and Safety Guidelines for complete information. Concrete surfaces require a medium sandpaper finish equal to or greater than an ICRI CSP #3. Surface preparation may be completed by shotblasting or the use of Poly-Tuff Profile and Etch cleaner. Peel and adhesion tests are recommended.

Install a 100-200 sqft (9.30-18.58 sqm) mock up of the system to be installed and approve for aesthetics, color, texture, actual coverage rates and functionality before proceeding.

1.07 MIXING

The volume mixing ratio is 2 parts Side-A blue liquid to 1 part Side-B yellow liquid. Enviro-Grip™ EP#1 Side-A and Side-B should be

TECHNICAL DATA

(Based on draw down films).

Coverage Rate: 1 gallon/300sqft or 300 sqft/gallon (0.14 liters/m²)

Pot Life,

75°F (24°C) @ 50% RH 20-30 minutes

Dry Film Thickness per Coat

5±1 mils

127±25 microns

Specific Gravity,

Side-A 1.09±0.1

Side-B 1.07±0.1

Total Solids by Weight, ASTM D-2369

91%

Total Solids by Volume, ASTM D-2697

90%

Viscosity, at 75°F (24°C)

Side-A & B combined

600±50cps

Volatile Organic Compounds,

ASTM D-2369-81

0.75 lbs/gal (90 gm/liter)

thoroughly mixed individually prior to combining to ensure a homogeneous material. The combined components should be thoroughly mixed using a mechanical mixer at slow speed or for at least 5 minutes if mixed by hand.

APPLICATION

2.01 APPLICATION BASICS

Enviro-Grip™ EP#1 should be applied at the rate of 1 gallon (mixture of Side-A & Side-B) in an even and puddle-free application per 300 sqft or 300 sqft/gallon (0.14 liters/m²). It can be applied using an airless sprayer, brush, or phenolic-resin-core roller. Coverage rates and cure times will vary depending on temperature,

relative humidity, surface roughness and porosity, aggregate selection and embedment, and application technique. Coverage rates provided are optimal and are not guaranteed.

- A. Allow Enviro-Grip™ EP#1 to become thumbprint-tack free before applying the coating. Heavy applications of primer for void filling will require longer dry times for a completely dry-to-touch film.
- B. Allow primer to be completely dry where primer is used to fill voids and pinholes in concrete. Recommended surface temperature should be greater than 50°F (10°C) and at least 5°F (3°C) above the dew point.
- C. Enviro-Grip™ EP#1 is very sensitive to heat and moisture. High temperatures and high humidity will significantly accelerate the cure time and pot life. Use caution in batch sizes and thickness of application.
- D. Low temperature and/or low humidity extend the cure time.

2.02 EQUIPMENT CLEANUP

Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

2.03 STORAGE

Enviro-Grip™ EP#1 has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored at 60-90°F (15-35°C).

2.04 LIMITATIONS

- Not UV stable.
- Surfaces must be dry, clean, and free of foreign matter.
- Containers that have been opened must be used as soon as possible.
- Enviro-Grip™ EP#1 is difficult to clean up after it has cured.
- Do not dilute Enviro-Grip™ EP#1.
- Mix no more material than can be used with 20 minutes.

WARNING: This product contains epoxy resin and curatives.

ENVIRO-GRIP™ PRIMER SELECTION CHART N/R = Not Recommended

FEATURES & USES	EP #1	EP #2	PUR #555	EP-WB	EP #121	EP 404FC
Low Odor	YES	NO	YES	YES	YES	YES
Solvent Free	YES	NO	YES	YES	YES	YES
Low Viscosity	YES	NO	YES	YES	YES	YES
Fast Curing	NO	NO	YES	YES	YES	YES
Meets SCAQMD	YES	(SC) YES	YES	YES	YES	YES
Pedestrian & Vehicular Traffic	YES	YES	YES	YES	YES	YES
Recoat Window (Hours)	12	16	6	12	4	12
SUBSTRATE ADHESION						
Concrete & Masonry	YES	YES	YES	YES	YES	YES
Asphaltic Concrete	TEST	N/R	N/R	TEST	TEST	TEST
Glass Reinforced Plastic	TEST	TEST	TEST	TEST	TEST	TEST
Plywood	YES	YES	N/R	N/R	YES	YES
Abraded Metals	YES	YES	YES	YES	YES	YES
Bonderized Metal	YES	YES	YES	YES	YES	YES

Please read all information in the General & Safety Guidelines, Technical Data Sheets, Guide Specifications and Safety Data Sheets (SDS) before applying material. PSI Products are for "Professional Use Only" and preferably applied by professionals who have prior experience with the PSI Products or have undergone training in application of PSI Products. Published technical data and instructions are subject to change without notice. Contact your local PSI representative or visit our website for current technical data, instructions, and project specific recommendations.

LIMITED WARRANTY

PSI warrants its products to be free of manufacturing defects and that they will meet PSI current published physical properties. PSI warrants that its products, when properly installed by a state licensed waterproofing contractor according to PSI guide specifications and product data sheets over a sound, properly prepared substrate, will not allow water migration for a period of 12 months. Seller's sole responsibility shall be to replace that portion of the product which proves to be defective. There are no other warranties by PSI of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. PSI shall not be liable for damages of any sort, including remote or consequential damages resulting from any claimed breach of any warranty whether expressed or implied. PSI shall not be responsible for use of this product in a manner to infringe on any patent held by others. In addition, no warranty or guarantee is being issued with respect to appearance, color, fading, chalking, staining, shrinkage, peeling, normal wear and tear or improper application by the applicator. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. PSI reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

DISCLAIMER

All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the users responsibility to satisfy himself, by his own information and test, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazard listed herein are the only ones which may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and PSI makes no claim that these tests or any other tests, accurately represent all environments.