



# ENVIRO-GRIP™ PRIMER 121

A Two Component, Fast Cure, Epoxy Primer  
for Use on Concrete, Wood, Modified Bitumen, and Asphalt

## 1.01 DESCRIPTION

Enviro-Grip™ Primer 121 is a two-component (resin and hardener), fast drying, 92% solids, epoxy primer with low VOC and low odor. For use on concrete, wood, asphalt and modified bitumen. 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 ADVANTAGES

- Low VOC
- Fast dry time
- Moisture tolerant
- Low odor

## 1.03 TYPICAL USES

- Parking deck coatings
- Concrete
- Asphalt
- Previously coated surfaces (adhesion test required)
- Balconies
- Modified bitumen
- Wood

## 1.04 COLORS

Side-A: amber, Side-B: amber

## 1.05 PACKAGING

2-gallon kit: 1 gallon (3.78 liters) can of Side-A white liquid and 1 (3.78 liters) can of Side-B amber liquid  
10-gallon kit: One 5 gallon (18.9 liters) can of Side-A white liquid and one 5 gallon (18.9 liters) can of Side-B amber liquid.

## 1.06 SURFACE PREPARATION

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 1 parts Side-A to 1 part Side-B.
- Enviro-Grip™ Primer 121 Side-A and Side-B should be thoroughly mixed individually prior to combining to ensure a homogeneous material. Enviro-Grip™ 121 must always be mixed as one part Side-A to one part Side-B (Side-A:Side-B = 1:1). The combined components should be thoroughly mixed using a mechanical mixer at slow speed. Do not mix in an up and down motion.

## TECHNICAL DATA

|                                     |   |
|-------------------------------------|---|
| Coverage Rate                       | 1 gallon/300 sqft (0.14 liters/m <sup>2</sup> ) |
| Dry Film Thickness per Coat         | 5±1 mils / 127 ± 25 microns                     |
| Pot Life at 75°F (24°C), 50% RH     | 10-15 minutes                                   |
| Hardness, ASTM D-2240               | 60 ± 5 Shore D                                  |
| Specific Gravity,                   |   |
| Side-A                              | 1.10g/cm <sup>3</sup> ±0.1                      |
| Side-B                              | 1.06g/cm <sup>3</sup> ±0.1                      |
| Total Solids by Weight, ASTM D-2369 | 95%   |
| Total Solids by Volume, ASTM D-2697 | 92%   |
| Viscosity at 75°F (24°C)            |   |
| Side-A and Side-B combined          | 600 ± 50cps                                     |
| Volatile Organic Compounds (VOC)    |   |
| ASTM D-2369-81                      | 0.42 Lbs/gal                                    |
|                                     | 50 gm/liter                                     |

- It is important to remember that Enviro-Grip™ Primer 121 has a limited pot life of 10-15 minutes. **Any mixed product not used in 10-15 minutes should be properly disposed, even if the product appears usable.**

## APPLICATION

### 2.01 APPLICATION BASICS

The Enviro-Grip™ Primer 121 should be applied by first pouring a bead of material on the surface to be coated. Spread the material using a flat squeegee. Enviro-Grip™ Primer 121 is a low viscosity product so allow it flow out in front of the squeegee. Allow for sufficient wetting of the surface and ensure that the recommended coverage rate of 1 gallon per 300 sqft (0.14 liters/m<sup>2</sup>) or 300 sqft/gallon is achieved. Backroll the covered area, utilizing a ¼"

(0.63 cm) nap roller, to eliminate puddles on the surface. Minimize the overlap from batch to batch applications while achieving complete coverage.

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. Enviro-Grip™ Primer 121 has a maximum recoat window 8-12 hours. If the maximum recoat window is missed (8-12 hours), regrind the surface with 80 grit, followed by a thorough sweeping and vacuum of the area.
- B. Enviro-Grip™ Primer 121 should be protected from dampness, condensation and water for at least 24 hours.
  1. Do not add any type of thinner to Enviro-Grip™ Primer 121. Addition of thinners will slow the cure and reduce the ultimate properties of Enviro-Grip™ Primer 121.
  2. Enviro-Grip™ Primer 121 will discolor over time when exposed to sunlight (UV) and under certain artificial lighting conditions. It should be coated with a UV resistant, light stable topcoat within 48 hours of application.
  3. Pinholed concrete surfaces may require Enviro-Grip™ #1 or 404FC primer. Contact PSI Technical Services.

## 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™ Primer 121 has shelf life of one (1) year from date of manufacture when stored indoors at a temperature between 60°F to 95°F (15°C to 35°C) in original, factory-sealed containers

## 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™ Primer 121 is difficult to clean up after it has cured.
- Do not dilute Enviro-Grip™ Primer 121.
- Mix no more material than can be used with 20 minutes.

## 2.05 CAUTION

- A. Enviro-Grip™ Primer 121 Side-A contains **IRRITANT, SENSITIZER:** Contains epoxy resins. Eye irritant. May cause skin/respiratory irritation. Prolonged and/or repeated contact with skin may cause allergic reaction/sensitization. Deliberate concentration of vapors for purposes of inhalation is harmful and can be fatal. Harmful if swallowed. Strictly follow all use, handling and storage instructions.
- B. Enviro-Grip™ Primer 121 Side B contains **CORROSIVE, SENSITIZER, IRRITANT.** Contains amines (mixture). Contact with skin and eyes causes severe burns. Respiratory irritant. May cause eye/skin irritation. Possible skin sensitization/allergic reaction with prolonged or repeated exposure. Harmful if swallowed. Deliberate concentration of vapors for purposes of inhalation is harmful and can be fatal.

**WARNING: This product contains epoxy resin and curatives.**

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.

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