



# ENVIRO-GRIP™ PRIMER WBs

A Three Component, Low VOC, Waterborne Epoxy Primer  
For Concrete, Wood, Modified Bitumen, and Asphalt

## 1.01 DESCRIPTION

Enviro-Grip™ Primer WBs is a three component (resin, hardener, and water), fast drying, waterborne, epoxy primer with low VOC and low odor. For use on concrete, wood, modified bitumen, and asphalt. Please use the correct 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

- Fast Dry Time
- Low Odor
- Low VOC
- Moisture Tolerant
- Water Based

## 1.03 TYPICAL USES

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

## 1.04 COLOR

Side-A: white, Side-B: black

## 1.05 PACKAGING

3.5-gallon kit: 1 gallon (3.78 liters) can of Side-A white liquid and 1 1/4 gallons (4.73 liters) can of Side-B black liquid. Add 1 1/4 gallons (4.73 liters) of water while mixing at site.

## 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

It is important to remember that Enviro-Grip™ Primer WBs has a limited pot life of about 45-60 minutes. Premix Side-A and Side-B components for up to 2 minutes.

Add 1 gallon (3.78 liters) of Side-A resin to 1.25 gallons (4.73 liters) of Side-B hardener. Mix thoroughly with a Jiffy Blade for 3 minutes. Mix until the color becomes uniform.

## TECHNICAL DATA (Based on draw down films)

Theoretical Coverage Rate: Various with surface profile	1 gallon/300-450 sqft or 300-450 sqft/gallon (0.8-014 liters/sqm)
Pot Life 77°F (25°C) @ 50% RH	45-60 minutes
Cure Time @75°F (24°C) 50% RH	3-4 hours
Viscosity, at 75°F (24°C) Side-A & B combined	150 ± 20 cps
Total Solids by Weight, ASTM D-2369	48.8% ± 2%
Total Solids by Volume, ASTM D-2697	46.8% ± 2%
Volatile Organic Compounds ASTM D-2369-07	0.2 gms/liter (24 gm/liter)

Slowly add 1.25 gallons (4.73 liters) of potable water to the mixture while under agitation. Mix for an additional 2 minutes until the contents are fully dispersed. The fully mixed material will appear as a off-white or cream color. Any mixed product not used in one hour should be properly disposed, even if the product appears usable.

## APPLICATION

### 2.01 APPLICATION BASICS

Enviro-Grip™ Primer WBs 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 WBs is a low viscosity product, allow to 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 300-450 sqft or 300-450 sqft/gallon (0.08-0.14 liters/sqm) is achieved. Backroll the covered area, utilizing a 1/4" (0.64 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.

Enviro-Grip™ Primer WBs has a maximum recoat window of 8 to 24

hours. If the maximum recoat window is missed, regrind the surface with 80 grit, followed by a thorough sweeping and vacuuming of the area.

The following information is meant to be used as a general guideline only. Consult the project specification and your Poly-Tuff Systems International (PSI) representative for specific installation procedures.

1. **IMPORTANT:** Enviro-Grip™ Primer WBs must be protected from freezing. If Enviro-Grip™ Primer WBs is frozen, DO NOT USE.
2. Minimum/Maximum substrate temperature: 60°F-95°F (15.5°C-35°C).
3. Minimum/Maximum relative humidity: 10%-85%.
4. Substrate temperature must be 5°F (3°C) above measured dew point.
5. Conduct quantitative anhydrous calcium chloride testing in accordance with ASTM-F1869. Maximum acceptable test result is 8 pounds per 1,000 sq/ft per 24 hours.
6. Freshly applied Enviro-Grip™ Primer WBs should be protected from dampness, condensation, and water for at least 24 hours.
7. Do not add any type of thinner to Enviro-Grip™ Primer WBs Addition of thinners will slow the cure and reduce the ultimate properties of Enviro-Grip™ Primer WBs.
8. Enviro-Grip™ Primer WBs 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.
9. Pinholed concrete surfaces may require Enviro-Grip™ #1 or 404FC primer. Contact a PSI Representative for project specific recommendations.

## **2.02 EQUIPMENT CLEANUP**

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

## **2.03 SHELF LIFE AND STORAGE**

Enviro-Grip™ WBs has a shelf life of 12 months from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

## **2.04 CAUTION**

Enviro-Grip™ WBs Side-A Resin 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.

Enviro-Grip™ Primer WBs Side-B Hardener 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.



## Enviro-Grip™ Primer

### Selection Chart

N/R = Not Recommended

FEATURES & USES	EP#1	EP #2	PUR #555	EP-WBs	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	EP#1	EP #2	PUR #555	EP-WB	EP #121	EP 404FC
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 and chemical properties. 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 user's 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.

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