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# ENVIRO-GRIP® EP#1

2:1 100% solids Epoxy Polyamine Primer  
 for Interior / Outdoor Use

## DESCRIPTION

Enviro-Grip® EP#1 is a two component, 100% solids, liquid applied, epoxy-polyamine primer with unique penetrating characteristics. This primer is recommended for use on concrete, plywood and other heavy traffic areas and for indoor applications.

## FEATURES

- ❖ Low Odor
- ❖ 100% Solids
- ❖ Solvent Free
- ❖ Low Viscosity
- ❖ Excellent Adhesion

## TYPICAL USES

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

## COLORS

Part-A: Blue, Part-B: Yellow

## PACKAGING

3 gallon kit: One 3.5 gallon pail containing net 2 gallons (7.57 liter) of Part-A Blue Liquid and one 1 gallon (3.78 liter) can of Part-B Yellow Liquid

15 gallon kit: Two 5 gallon (18.9 liter) pails of Part-A Blue Liquid, each containing 5 gallons and one 5 gallon (18.9 liter) pail of Part-B Yellow Liquid, containing 5 gallons

## MIXING

The volume mixing ratio is 2 parts Part-A Blue Liquid to 1 part Part-B Yellow Liquid.

Enviro-Grip® EP#1 Part-A and Part-B should be thoroughly mixed individually prior to combining to ensure a homogeneous material. Enviro-Grip® EP#1 must always be mixed with two parts Part-A and one part Part-B (Part-A:Part-B=2:1). By volume the combined components should be thoroughly mixed using a mechanical mixer at

## ENVIRO-GRIP® PRIMER SELECTION CHART

Features & Uses	EP#1	EP#2	PUR#5	EBF	3042
Low Odor	****	**	**	****	****
Solvent Free (100% solids)	Yes	No	No	Yes	Yes
Low Viscosity	***	**	****	**	**
One Component	No	No	Yes	No	No
Fast Curing	**	**	****	**	**
Meets CA VOC & AQMD	Yes	Yes	Yes	Yes	Yes
Low Pedestrian Traffic	****	****	**	****	****
High Pedestrian Traffic	****	****	N/R	****	****
Vehicular Traffic	****	****	N/R	****	****
Recoat Window in Hours	<24	<8	<2	<8	<24
<b>Substrate Adhesion</b>					
Concrete & Masonry	****	****	**	****	****
Glass Reinforced Plastic	Test	Test	Test	Test	Test
Plywood	****	****	N/R	****	****
Metal	**	****	N/R	****	**
Elastomeric Polyurethane	****	****	**	****	****

\*\*\*\* Excellent, \*\*\* Good, \*\* Moderate, \* Acceptable  
 N/R = Not Recommended

### TECHNICAL DATA

Coverage Rate .....	1 gal/300 sq. ft. 0.135 l/m <sup>2</sup>
Pot Life, 75°F (24°C) @ 50% R.H. ....	20-30 min.
Dry Film Thickness per Coat .....	5 ± 1 mils 127 ± 25 microns
Hardness, ASTM D-2240 .....	70 ± 5 Shore D
Specific Gravity,	
Part-A .....	1.09
Part-B .....	1.07
Total Solids, Weight, ASTM D-2369 .....	91%
Total Solids, Volume, ASTM D-2697 .....	90%
Viscosity, at 75°F (24°C),	
Part-A & B combined .....	600 ± 50 cps
Volatile Organic Compounds,	
ASTM D-2369-81 .....	0.75lbs/gal 90gm/liter

slow speed or for at least 5 minutes if mixed by hand.

Mix no more material than can be used within 20 minutes.

## APPLICATION

Enviro-Grip® EP#1 should be applied at the rate of 1 gallon (mixture of Part-A & Part-B)/300 sq. ft. (0.14 liters/m<sup>2</sup>). It can be applied using an airless sprayer, brush, or phenolic resin core roller.

Allow Enviro-Grip® EP#1 to become thumb print tacky before applying the coating.

Recommended surface temperature should be greater than 50°F (10°C) and at least 5°F above the dewpoint.

Enviro-Grip® EP#1 is very sensitive to heat and moisture. Higher temperatures and/or high humidity will significantly accelerate the cure time and pot life. Use caution in batch sizes and thickness of application.

Low temperature and/or low humidity extend the cure time.

#### **EQUIPMENT CLEANUP**

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

#### **STORAGE**

Enviro-Grip® EP#1 has a shelf life of one (1) year from date of manufacture in original, factory sealed containers.

#### **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 within 20 minutes.

#### **WARNING**

**This product contains Epoxy Resin and Curatives.**

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**Please read all information in the general guidelines, product data sheets, guide specifications and material safety data sheets (MSDS) before applying material. Published technical data and instructions are subject to change without notice. Contact your local PSI representative or visit our website for current technical data and instructions.**

#### **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**

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