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TECHNICAL BULLETIN

ENVIRO-GRIP® EP#2

1:1, Solvenated, Epoxy Polyamine Primer for Concrete, Plywood and Metal

DESCRIPTION

Enviro-Grip® EP#2 is a two component, liquid applied, solvenated epoxy-polyamine primer with unique penetrating characteristics. This primer is recommended for metal flashings and other medium to heavy duty traffic areas and for outdoor applications.

FEATURES

- ❖Seals Concrete
- ❖Low Viscosity
- ❖Excellent Adhesion
- ❖For use in SCAQMD areas, use only Enviro-Grip® EP#2(SC)

TYPICAL USE

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

COLORS

Part-A: Black, Part-B: White

PACKAGING

1 Quarts: One 1 quarts (0.946 liter) can of Part-A Black Liquid, and One 1 quart (0.946 liter) can of Part-B White Liquid.

2 gallon kit: One 1 gallon (3.78 liter) can of Part-A Black Liquid, and One 1 gallon (3.78 liter) can of Part-B White Liquid.

10 gallon kit: One 5 gallon (18.9 liter) pail of Part-A Black Liquid, and One 5 gallon (18.9 liter) pail of Part-B White Liquid.

MIXING

The volume mixing ratio is 1 part Part-A Black Liquid to 1 part Part-B White Liquid.

Enviro-Grip® EP#2 Part-A and Part-B should be 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.

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
Substrate Adhesion					
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: ENVIRO-GRIP® EP#2
(For Use Outside of SCAQMD Areas)

Coverage Rate	1 gal/300 sq.ft. 0.135 l/m²
Pot Life, 75°F (24°C) @ 50% R.H.	60-90 minutes
Dry Film Thickness per Coat	4 mils
Specific Gravity,	
Part-A	1.27
Part-B	1.85
Total Solids, Weight, ASTM D-2369	90 ± 2%
Total Solids, Volume, ASTM D-2697	84 ± 2%
Viscosity, at 80°F (24°C),	
Part-A & B combined	600 ± 200
Volatile Organic Compounds,	
ASTM D-2369-81	1.17 lbs/gal 140 gm/liter

TECHNICAL DATA: ENVIRO-GRIP® EP#2(SC)
(For Use in SCAQMD Areas)

Coverage Rate	1 gal/300 sq.ft. 0.135 l/m²
Pot Life, 75°F (24°C) @ 50% R.H.	60-90 min.
Dry Film Thickness per Coat	4 mils
Specific Gravity,	
Part-A	1.30
Part-B	1.89
Total Solids, Weight, ASTM D-2369	90 ± 2%
Total Solids, Volume, ASTM D-2697	84 ± 2%
Viscosity, at 80°F (24°C),	
Part-A & B combined	1200 ± 200
Volatile Organic Compounds,	
ASTM D-2369-81(excluding exempt solvent)	0.83 lbs/gal 100 gm/liter

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APPLICATION

Enviro-Grip® EP#2 should be applied at the rate of 1 gallon (mixture of Part-A & Part-B)/300 sq. ft. (0.14 liters/m²). It can be applied using an airless sprayer, brush, or phenolic resin core roller.

Allow Enviro-Grip® EP#2 to become thumbprint tack free 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#2 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#2 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#2 is difficult to clean up after it has cured.

Do not dilute Enviro-Grip® EP#2 .

Mix no more material than can be used within 45 minutes.

WARNING

This product contains Epoxy Resin and Curatives.

Enviro-Grip® EP#2 and Enviro-Grip® EP#2(SC) Part-A and Part-B are considered Dangerous Goods. DOT regulations classify it as: **PAINT, Class 3, UN 1263, PG III, FLAMMABLE LIQUID.**

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

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.

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