



ENVIRO-GRIP™ WBM

Epoxy-Water Based Primer

1.01 DESCRIPTION

Enviro-Grip™ WBM is a two-component (4:1), liquid-applied, water-based epoxy primer with unique penetrating characteristics and rust-inhibiting properties. It is a substrate adhesive primer and a bleed block suitable over recommended substrates. Please use the correct product grade that complies with VOC regulations as per federal, state, county and city regulations/codes at the place of installation of product.

1.02 FEATURES

- Low Viscosity
- Quick Cure / Re-coat Time
- Rust Inhibitor
- Substrate Penetrating

1.03 TYPICAL USES

- BUR and Aged EPDM membrane*
 - Concrete
 - Masonry
 - Metal
 - Modified Bitumen
 - Polymers
 - Polyurethane Elastomeric Surfaces
 - Wood

1.04 COLOR

Side-A: Yellow Side-B: Off White

1.05 PACKAGING

1-Gallon Kit: One 0.8 gallon can (3.02 liters) of Side-A and One 0.2 gallon can (0.75 liters) of Side-B.

5-Gallon Kit: One 4 gallon pail (15.1 liters) of Side-A and One 1 gallon pail (3.78 liters) of Side-B.

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) mockup of the system to be installed and approve for aesthetics, color, slip resistance, actual coverage rate and functionality before proceeding.

1.07 MIXING

Enviro-Grip™ WBM should not be diluted under any circumstances. Volume-mixing Ratio: 4 units Side-A yellow liquid to 1 unit Side-B off-white liquid. Enviro-Grip™ WBM's Side-A and Side-B should be thoroughly mixed prior to combining to ensure a homogeneous

TECHNICAL DATA (Based on draw down films)

Wet Film Thickness (mils) 1.5 gal/100 sqft	3 ± 1
Pot Life @ 75°F (24°C), 50% R.H.	30 - 45 minutes
Specific Gravity (g/cc)	Side-A: 1.13 Side-B: 1.07
Total Solids by Weight, ASTM D-2369	45 ± 2 %
Total Solids by Volume, ASTM D-2697	39 ± 2 %
Dry Time	2-4 hours
Recoat Time	24 hours
Viscosity, at 75°F (24°C)	1,500 ± 300 cps
Total Solids by Weight, ASTM D-2369	81 ± 2%
Total Solids by Volume, ASTM D-2697	71 ± 2%
Volatile Organic Compounds ASTM D-2369-81	43 lbs/gal gm/liter)

Dry times vary by field condition but tested above @ 77°F (25°C) - 50% R.H at 6-8 mil thickness.
*Depending on the substrate - new BUR 1 gallon per 100 square feet, aged BUR 0.5 gallon per 100 square feet.

material. The combined components should be thoroughly blended using a mechanical mixer at slow speed for < 3 minutes or for at least 5 minutes if mixed by hand.

APPLICATION

2.01 APPLICATION BASICS

Enviro-Grip™ WBM is a plural component that is designed for airless sprayer or conventional spray equipment. It can be applied using an airless sprayer, brush, or phenolic resin core roller.

Remove all contaminants, oil and grease from substrate. Enviro-Grip™ WBM should be applied at the rate of 1/4 to 1 gallon per 100 sqft or 100 to 400 sqft/gallon depending on substrate. It can be applied using an airless sprayer, brush, or phenolic resin core roller. Allow Enviro-Grip™ WBM to become tack free before applying the coating. Recommended surface temperature should be greater than 50°F (10°C). Enviro-Grip™ WBM is sensitive to heat and moisture. Higher temperatures will significantly accelerate the cure time and decrease pot life. Use caution in batch sizes

and thickness of application. Low temperature and/or low humidity will extend the cure time.

2.02 COVERAGE RATES

Enviro-Grip™ WBM has a coverage rate of 1 gallon per 100-400 square feet depending on the substrate - new BUR 1 gallon per 100 square feet, aged BUR 0.5 gallon per 100 square feet.

2.03 PROTECTIVE EQUIPMENT

Since Enviro-Grip™ WBM is atomized into a very fine particle distribution during spray application, it is essential that maximum effort is made to protect the spray mechanic and others near the workplace from undue exposure.

The best form of protection against organic solvents is the use of Type C organic vapor cartridge respirators. To prevent excessive skin contact with the sprayed product, we recommend use of fabric coveralls and neoprene or other resistant gloves. Wear safety glasses or OSHA-approved protective goggles.

2.04 PROTECTION OF THE WORKPLACE

Overspray from Enviro-Grip™ WBM can carry considerable distances and attention should be given to the following:

1. Post warning signs a minimum of 100 feet from the work area.
2. Cover all intake vents near the work area.
3. Minimize or exclude all personnel not directly involved with the spray application.
4. No welding, smoking or open flames.
5. Have CO₂ or other dry chemical fire extinguisher available at the job-site.
6. Provide adequate ventilation.

2.05 SHELF LIFE AND STORAGE

Enviro-Grip™ WBM has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 50°F and 75°F (4.4°C to 24°C). Keep containers closed, store in a dry, cool place away from heat, sparks, open flame, and moisture. Primer Caution should be exercised to prevent material from freezing.

2.06 HEALTH AND SAFETY

Poly-Tuff Systems International (PSI) is committed to the health and safety of our customers. PSI products shall only be installed by certified contractors. Applicators are required to follow all proper handling, safety and installation procedures. Safety Data Sheets (SDS) are available on this material. Any individual who may come in contact with these products should read and understand the SDS.

Contents are flammable. Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches or dizziness, increase fresh air or wear respiratory protection (NIOSH/MSHA TC23C or equivalent) or leave the area. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage.

2.07 VAPOR INHALATION

Effects of overexposure to vapor are characterized by nasal and respiratory irritation, dizziness, nausea, headache, fatigue, possible unconsciousness or even asphyxiation. Vapor inhalation problems are characterized by coughing, shortening of breath and tightness in the chest. Anyone exhibiting these types of symptoms should be immediately removed from the workplace and administered oxygen or fresh air. If the condition is prolonged or extreme, SUMMON EMERGENCY TRAINED MEDICAL ATTENTION IMMEDIATELY.

2.08 SKIN CONTACT

Skin contact with liquid components can result in a rash or other irritation. Wash the affected skin area with water. Wipe residual liquid from the skin with a clean cloth, then wipe the affected area with 30% solution of rubbing alcohol. Follow the alcohol wipe with repeated washings with soap and water. If a rash or other irritation develops, see a physician.

2.09 EYE CONTACT

Eye Contact with liquid or sprayed components can result in corneal burns or abrasions. Upon exposure, eyes should be flushed with water for an extensive period. SUMMON EMERGENCY TRAINED MEDICAL ATTENTION IMMEDIATELY.



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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