EPDM coatings
THE ONLY LIQUID EPDM PRODUCT IN THE WORLD
SPECIALTY ROOF COATINGS

Serving clients around the globe

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PROFLEX PRIMER®

F1501 White
1:1
PRODUCT DATA SHEET

Proflex Primer® is a two-component, ready to apply, flexible epoxy primer with a one to one volume mix ratio.

NOTE:

Asphalt substrates cannot have any separation between layers. Cracked ridges must be cut out and filled with Proflex and rubber mix and then reinforced with Poly Fabric. Should the primer dry out (48 hours) after applied it will need to be recoated.

The day which you apply the ProFlex primer needs to be above 50 degrees. Lower temperatures at night will slow the cure but will not effect the product. Do not apply ProFlex if you anticipate freezing temperatures BEFORE you are able to apply the Liquid EPDM Rubber.

Applications

Built-Up Asphalt Roofs	**Concrete and Masonry**	**Galvanized Steel**
Copper	**Rigid and Flexible Foams**	**Stainless Steel**
Wood and Masonite	**Thermoplastic Membranes**	**Rubber Membranes**
Epoxy Coatings	**Elastomeric Coatings**	**Urethane Coatings**
Plastics	**Acrylic and Alkyd Coatings**	**Fiberglass**
Elastomeric	**Modified Asphalt Roll Roofing**	**Polyurethane Foam**
BUR	**Hot Mop**	**Modified Asphalt**

Once the ProFlex is applied, the Liquid EPDM must be applied within 24-48 hours to ensure proper adhesion. The ProFlex needs to be a little tacky when applying the Liquid EPDM. If the ProFlex is tacky but does not pull up when you walk on it that is the ideal condition to apply the Liquid EPDM. If the ProFlex is allowed to dry the Liquid EPDM will not adhere properly. This will necessitate you waiting until the ProFlex has fully dried and recoat with the Proflex before re-applying the Liquid Rubber.

Usage

- Existing Epoxy and Urethane coatings cannot be readily recoated without encountering inter-coat adhesion problems. **Proflex Primer** makes it possible to recoat them with the same or different type of coating.
- Severely weathered wood and insulating foams have degraded surfaces that can be "reconstituted" with an application of **Proflex Primer** that can then be top coated.
- **Proflex Primer** when applied to EPDM rubber membrane will prevent swelling caused by absorption of oils, fats and solvents around **restaurant roof vents**.
- Thermoplastic roofing membranes such as Hypalon and others can be recoated after applying **Proflex Primer.**
- The day which you apply the ProFlex primer needs to be above 50 degrees. Lower temperatures at night will slow the cure but will not effect the product. No not apply ProFlex when you anticipate prolonged freezing temperatures during the day and night.

Properties and Appearance

Cured films are quite flexible, yet have high bond and tensile strength. This enables the product to reconstitute and stabilize severely deteriorated surfaces.

Although **Proflex Primer** has good water, solvent and chemical resistance it is primarily designed to be an intermediate bond coat so that high performance and special purpose coatings can be applied to existing substrates.

Surface Prep

Substrate should be dry, free of debris, dirt, moss, algae, mildew and oil. Loose or peeling paint must be removed. Make repairs and tighten or replace fasteners prior to the application of primer. High pressure washing is an effective cleaning method.

Method of Application

A combination of rubber squeegee, roller and brush are most practical on flat surfaces. A pressure pot spray system may be used if pot life limitations can be adhered to.

Recommended Spreading Rate

A squeegee and roller application will normally result in 200 sq ft per gallon set. Rough or porous surfaces will require lower coverage per gallon.

Product Data

Chemical Type	Two component, flexible Epoxy
Solids Content	86% by volume; 89% by weight
Weight per Gallon	9.2 pounds
Spread rate at 1 mil	1379 sq. ft.
Mix Ratio	1 to 1 by volume
Viscosity	71KU (900 cp) @ 77° F
Pot Life	45 minutes at 70° F
Cure Time	10 hours to touch at 70° F
Bond Strength	250 psi (aged)
Tensile Strength	404 psi after 7 days at 77° F
	2500 psi after 7 days chilled
Elongation	200% at 77° F
Flash Point	Above 150° F
Compatible Solvents	Xylene, Toluene
Storage Stability	1 year minimum
VOC	118 g/l (.99 lb/gallon)

The above data is gathered in a controlled Laboratory environment. Your conditions will vary. Pot Life, Gel Time, Dry Time and Cure Time will all be affected by ambient as well as surface temperatures. Higher temperatures shorten the time you have to work with the product. Always mix thoroughly and immediately pour the product onto the surface to be coated. Only mix the amount you can easily spread within 30 minutes. If more specific information is needed please call EPDM Coatings at 855-281-0940