

Proflex Primer®



1500 Series

Product Data Sheet

F1500 Clear / Primer

This product is a unique, extremely flexible, two-component epoxy membrane. It is solvent-free and exhibits excellent tensile strength and elongation under ambient as well as colder temperatures.

ADVANTAGES

- 100% solids for low odor during installation
- Less hazardous.
- Self-priming and leveling on properly prepared surfaces.
- Self-leveling when sufficient material is applied.
- Fills depressions, spalled areas and cracks.
- Absorbs movement to help prevent reflective cracking.
- Remains flexible over a wide range of temperatures.

SURFACE PREPARATION

Surface and air temperature must be a minimum of 50° F. during installation and initial cure. Surface should be checked for soundness. Standard surface preparation practice should be followed, including thorough cleaning and drying.

Important Note: It is important to know that you should not use water or water based products to clean you concrete. This will affect adhesion.

TYPICAL PROPERTIES (When mixed)

Mix Ratio:	2:1 by volume
Density:	9.44
Viscosity (Brookfield):	750 cps
Gel Time:	55 min.
Cure Time:	24 hours
Shore D Hardness (72 hrs):	52
Adhesion (aged):	100% @ 730 psi

Impact Resistance:	> 174 inch-lbs.	
Mandrel Bend:	1/8" no crack	
Color:	Clear	
	7 days	15 days
Tensile Strength – Ambient:	808 psi	1390 psi
Tensile Strength – Chilled:	3900 psi	6610 psi
Elongation – Ambient:	139 %	132 %
Elongation – Chilled:	68 %	27 %
Modulus of Elasticity – Ambient:	79.7 psi	331 psi
Modulus of Elasticity – Chilled:	1150 psi	1180 psi
Hot Tire Print	No permanent imprint @ 2 hrs., 140°F	

Application Guidelines

Applying over Smooth Non Porous Surfaces

Smooth Aluminum, New Galvanized Steel, Glass and Plastics such as ABS, Polypropylene, PVC, Polystyrene, and Acrylic must be primed with **Proflex Primer®** to improve adhesion. Hypalon and other Thermoplastic Olefin membranes must also be primed with **Proflex Primer®**

Spray On Urethane Foams

Since there can be considerable variations in density we recommend priming all roof foams with **Proflex Primer®** in order to produce a uniform surface and improve adhesion to the rubber.

Applying over Previously Painted Surfaces

Epoxy and Urethane patching products, caulks and coatings must be primed with **Proflex Primer®** to improve adhesion.

Applying over Porous Surfaces

When applying over porous substrates, use **Proflex Primer®** to stabilize the surface.

Applying over Masonry or Concrete

With masonry / concrete, the surface to be coated must be relatively smooth (steel troweled) and uniform (not honey-combed, full of imbedded stones or aggregate breaking the surface, etc.). The surface must be structurally stable, dry, non-porous, and free of oils, debris, and flaking or loose paint. New (green) concrete should be aged 28 days. Fill any cracks, or spalling or other surface defects on the concrete surface with **Proflex Flexible Epoxy®**, **Butt Putty® Crack Filler Gel** or **ProFill®** to level and smooth out the surface.

Using **Proflex Primer®** with **EPDM Liquid Rubber®**

An example of substrates that need to be coated with **Proflex Primer®** prior to application of **EPDM Liquid Rubber®** are:

- Wood
- Plywood
- Concrete

- Rigid Foams
- Previously Painted Surfaces
- Spray On Urethane Foams

When applying over the above substrates, use **Proflex Primer®** to stabilize the surface. The “porosity” of concrete / masonry can be somewhat subjective and needs to be addressed prior to applying **EPDM Liquid Rubber®** on such surfaces. When in doubt and when time permits, prepare the surface as above and apply a 20 mils dft coat of **EPDM Liquid Rubber®** to a test section. Check when cured in about 4 to 10 days, for surface “bubbling” and adhesion. Bad adhesion and “bubbling” indicates that the structure is too porous. In such a case, or when testing times do not permit, it is recommended you apply a coat of **Proflex Primer®** on the concrete first, to “fill in the pores”, let dry, and then apply the **EPDM Liquid Rubber®** over the **Proflex Primer®** following the instructions.

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