



PROFLEX PRIMER®

F1501 White

PRODUCT DATA SHEET

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

Applications

Polished Aluminum
Copper
Wood and Masonite
Epoxy Coatings
Plastics

Galvanized Steel
Concrete and Masonry
Rigid and Flexible Foams
Thermoplastic Membranes
Elastomeric Coatings
Acrylic and Alkyd Coatings

Glass
Stainless Steel
Rubber Membranes
Urethane Coatings
Fiberglass

Proflex Primer® produces a surface profile that allows for a recoat interval of 2 to 3 months. The primer should not be exposed to sunlight for more than 3 months to prevent film degradation.

Usage

- Existing Epoxy and Urethane coatings cannot be readily recoated without encountering intercoat 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 topcoated.
- **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®**.

Properties and Appearance

Proflex Primer® has a low hiding white color and produces a light gritty surface when cured. It will begin to chalk after 3 months exposure to sun if not topcoated.

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 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. **Do not attempt to use airless spray equipment because of the abrasive nature of the aggregate in the primer.**

Recommended Spreading Rate

When spread at 250 sq. ft. per gallon a 5.5 mil dry film will result on a smooth surface. Although this is sufficient for bonding to the substrate it may be difficult to achieve in practice. A squeegee and roller application will usually result in covering 150-175 sq. ft. per gallon which results in an average dry film thickness of 8-9 mils. Rough or porous surfaces will require a 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 square feet
Mix Ratio	1 to 1 by volume
Viscosity	71KU (900 cp) @ 77° F
Pot Life	1 hour @ 70° F
Cure Time	10 hours to touch at 70° F
Bond Strength	250 psi (aged)
Tensile Strength	404 psi after 7 days @ 77° F Temp. 2500 psi after 7 days chilled
Elongation	200% @ 77° F
Flash Point	Above 150° F
Compatible Solvents	Xylene, Toluene
Storage Stability	1 yr minimum
VOC	118 g/l (.99 lb/gal)

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