



Liquid ProPoly® Series 9600

The **Liquid ProPoly®** Series of products are all high solids 2 part Aliphatic Urethanes. They differ only in color and anti-skid additives.

Color Chart

Rust F9606			Tile Red F9616
Blue F9604			Light Blue F9614
Tan F9607			Green F9605
Black F9609			White F9601
Med. Gray F9608			Light Gray F9618
<i>Liquid ProPoly® also comes in Clear, order number F9600</i>			

Custom colors are available at an additional cost of \$3.00 and up per gallon depending on the color with a minimum order of 50 gallons. As with all custom orders, additional time may be required to produce your order. Please submit a color chip to us for accurate color matching for all custom colors. Please contact us by phone if you need guidance placing a custom order at (800) 735-4399.

Liquid ProPoly Features:

Liquid ProPoly® coatings were formulated in 2006 to incorporate the latest advancements in polymer technology. The objective was to develop a coating with superior durability that could be used on roofs, walls or foot traffic decks, had a 1 to 2 hour pot life plus fast cure. **Liquid ProPoly®** has met these objectives. **Liquid ProPoly®** Urethanes produce a tough yet elastomeric coating that is equally suitable for application on roofs, walls and siding, storage tanks as well as foot traffic surfaces. This universality reduces product selection to choosing a color. Non skid properties are obtained by incorporating the **Anti-Skid Additive** prior to application.

Product Features	Suitable Substrates
<i>Fast Cure Low VOC</i>	<i>Concrete Metal Wood</i>
<i>High Solids</i>	<i>EPDM Membranes</i>
<i>1 to 2 hour Pot Life (depending on temperature)</i>	<i>TPO Membranes</i>
	<i>Rubber Sport Mats</i>

The **Liquid ProPoly®** Coatings produce a very smooth glossy surface with low dirt retention properties. This is desirable for Recreational Vehicles, Metal Roofs and Steel Tanks.

Traffic Decks should have non-skid surfaces. This is easily accomplished by incorporating the Anti-Skid Additive to any **Liquid ProPoly® product.**

TWO DIFFERENT PRIMERS TO CHOOSE FROM

(depending on substrate used and finish desired)

Use **F1501 Proflex Primer® White** when changing from an existing color. Antiskid additive may be added to primer to reduce gloss of topcoat.

Proflex Primer® F1500 Clear can be used over porous surfaces when a gloss finish is desired and **Liquid ProPoly®** topcoat can be applied within 3 days.

Liquid ProPoly® coatings can be applied to both rigid as well as flexible substrates. It will have excellent adhesion when used with primer.

The following is a guide:

Substrates that require an oil based primer or Proflex Primer®	Substrates that require Proflex Primer® F1501 White	Substrates that require Proflex Primer® F1500 Clear
Plywood	Concrete-Masonry-Glass	EPDM Rubber Membrane
Weathered, Coated and Galvanized Steel	Steel Fiberglass	Aluminum
Thermoplastic Membranes (Hypalon, PVC, CPE)	Existing Urethane Coating	Urethane Foam
	Existing Epoxy Coating	

Surface Preparation:

1. Substrate to be coated must be dry and free of dirt, debris and loose or peeling paint, asphalt based coatings must be removed.
2. Make any necessary repairs to ensure a structurally sound substrate prior to coating.
3. Corrosion on steel must be primed prior to application of **Liquid ProPoly®**
4. Repair masonry with epoxy compounds such as **ProFill®**, **Butt Putty® Crack Filler Gel** or **Proflex Flexible Epoxy®**.
5. Prime Substrate with **Proflex Primer® F1501 White** or **Proflex Primer® F1500 Clear** according to the above guidelines and label instructions.

Coverage:

Theoretical coverage is 1426 ft²/gal at 1 mil dry film. A 6 mil dry film will result when product is spread at 200 sq ft per gallon over a smooth or primed substrate.

Mixing:

Part A is pigmented and should be uniform without lumps or hard settling. Examine Part B to determine that it is clear and has not solidified. **This part can solidify by reacting with moisture from the atmosphere, keep containers tightly closed when not in use.** Mix equal volumes of Parts A and B using a drill mixer. Scrape sides of container and mix with rest of material.

Pot Life:

A chemical reaction begins after parts A & B are mixed and this produces some heat. When the heat builds up in the container it accelerates the reaction and causes a rapid increase in viscosity. The time interval to reach a difficult to apply viscosity is the pot life.

at 60° F

Pot Life is 2.7 hrs.

at 72° F

Pot Life is 1.5 hrs.

at 85° F

Pot Life is 1.0 hrs.

Cure:

Film cure rate is shortened with increasing temperature. At 72° F the set to touch time for the clear and White coating is 2.5 to 3 hours and 3.0 to 3.5 hours for the colors. The coating can be handled after 6 hours and take light foot traffic after 24 hours. Vehicular traffic can begin after 48 hours.

Thinning:

Do not thin product if application is by squeegee and roller. Use MEK (Methyl Ethyl Ketone) if needed for spray application and clean-up.

Recoating:

Although the **Liquid ProPoly®** film reaches sufficient cure to handle or even walk on in less than 12 hours it requires approximately 7 days to reach full cure. Touch up or a second coat of **Liquid ProPoly®** may be applied within that period. If **Liquid ProPoly®** is more than 7 days old the surface of the film will have reached a cure condition that would prevent a second coat from adhering to it. In that event either abrade (sand) the first coat or apply one of the 1500 Series **Proflex Primers®** prior to recoating with **Liquid ProPoly®**

Useful Information:

- *You will have more time to distribute the material when the mixed product is discharged from the container onto substrate within 45 minutes.*
- *Addition of 10-15% solvent extends pot life.*
- *When spraying always put pump suction tube into newly mixed pail and then add remainder of previous pail.*
- *Flush spray pump and hoses with MEK (Methyl Ethyl Ketone) solvent every two hours to prevent product from curing in the hose when spray application takes more than two hours to complete.*
- *Do not apply **Liquid ProPoly®** if rain is forecast within 12 hours.*

Product Data:

<i>Chemical Type</i>	<i>Two component Aliphatic Urethane</i>
<i>Solids Content</i>	<i>88.9% by volume</i>
<i>Weight per Gallon</i>	<i>10.64 pounds</i>
<i>Mix Ratio</i>	<i>1 : 1 by volume</i>
<i>Spread rate @ 1 mil</i>	<i>1421 square feet</i>
<i>Viscosity</i>	<i>Initial - 3,000 cp mixed After 45 min. - 9,000 mixed</i>
<i>Pot Life</i>	<i>1.5 hr. @ 72° F 1.0 hr. @ 85° F</i>
<i>Tensile Strength</i>	<i>2900 psi</i>
<i>Elongation</i>	<i>150%</i>
<i>Flash Point</i>	<i>Over 130° F</i>
<i>Compatible Solvents</i>	<i>Methyl Ethyl Ketone</i>
<i>VOC</i>	<i>93 g/l (.775 lb/gal)</i>
<i>Storage Stability</i>	<i>6 months - 1 year</i>

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