



# INSULATING VARNISH

## TWO-COMPONENT

NCP	GLYPTAL	COLOR
GLY-74010A	74010A	Clear
GLY-74010B	74010	Catalyst Part B

### PRODUCT DESCRIPTION

This clear insulating epoxy provides a tough, durable film designed to protect electrical components and metal assemblies while maintaining full visibility of the underlying substrate. Formulated for excellent dielectric strength, it seals and reinforces windings, coils, and electrical parts to prevent moisture intrusion, oil contamination, and surface tracking. The cured film offers outstanding adhesion, hardness, and chemical resistance, maintaining integrity under heat, vibration, and mechanical stress. Its transparent finish allows easy inspection of components while delivering long-term electrical and environmental protection in both OEM and maintenance applications.

#### Key Features & Benefits

- Forms a clear, durable insulating film with excellent dielectric strength.
- Seals and protects windings, coils, and electrical assemblies from moisture and contamination.
- Provides strong adhesion and hardness for reliable long-term performance.
- Resists oils and moisture to prevent corrosion and electrical tracking.
- Maintains film integrity under heat and vibration without cracking or degradation.
- Suitable for OEM production, repair work, and component refurbishment.
- Learn more at [www.ncpcoatings.com/glyptal](http://www.ncpcoatings.com/glyptal)

### SURFACE PREPARATION

Do not apply if the application surface temperature is below 45°F (7°C) or above 110°F (43°C), or if the surface temperature is within 5°F (-15°C) of the dew point. Follow recognized industry best practices for substrate preparation, including SAE or AMPP (formerly SSPC/NACE) guidelines. Where applicable, comply with all required MIL-SPEC surface preparation procedures.

At a minimum the surface should be clean of all grease, dirt, oil, rust, and foreign material that would be detrimental to proper adhesion and desired performance of the coating system being applied.

Previously painted surfaces should be intact and sound. All loose and flaking material removed and bare spots primed with an appropriate primer. A small area should be tested with the coating to assure compatibility.

### MIXING

#### Ratio

- Part A: 1 part by volume
- Part B: 1 part by volume

#### Guidelines

Pot Life\*: 6-8 Hours

### APPLICATION

This material may be applied by brush or spray. If necessary, thin mix material with ketones to desired consistency, not to exceed one pint per one gallon of mixed materials. Allow overnight drying between coats. When painting over a glossy surface, reduce gloss by using fine sand paper or steel wool.

**Recommended Film Thickness:** 1.0-2.0 mils, DTF

#### Theoretical Coverage:

- Part A: 849 sq. ft./gal @ 1 mil DFT
- Part B: 426 sq. ft./gal @ 1 mil DFT

DRY TIMES			
<b>Touch</b>	2 Hours	<b>Hard</b>	<5 Hours
<b>Recoat</b>	Overnight	<b>Topcoat</b>	Overnight

*Recoat: same product sprayed on top of itself*

### REGULATORY INFORMATION

#### Volume Solids:

- Part A: 52.9%
- Part B: 11.5%

#### Weight Solids:

- Part A: 59-61%
- Part B: 12.5-14.5%

#### Weight:

- Part A: 8.6-8.8lbs./gal, 1,031-1,055 g/L
- Part B: 7.2-7.4 lbs./gal, 0.86-0.89 g/L

#### Viscosity:

- Part A: 65-70 (KU)
- Part B: 12-17 sec Zahn #2

#### VOC:

- Part A: 3.37 lbs./gal, 403.81 g/L
- Part B: 6.16 lbs./gal, 738.13 g/L

#### HAPS:

- Part A: 2.27 lbs./gal, 272 g/L
- Part B: 2.41 lbs./gal, 288.78 g/L

**Gloss:** 90+

## **SAFETY PRECAUTIONS**

This product is intended for professional use in an industrial environment only! Consult the Safety Data Sheet prior to application for detailed information on the health and safety hazards.

## **STORAGE CONDITIONS**

This product must be stored in accordance with local, state, and national regulations. Preferred storage conditions: Keep containers in a dry space with adequate ventilation.

\*Pot life is measured under standard conditions. Actual working time can vary depending on temperature, humidity, and how the product is mixed.

## **COMMENTS**

For additional information contact your account manager.

The above parameters are to be used as a guideline only. Customer specific equipment may require a different set-up.

All values are mixed as final product unless otherwise stated.