

INSULATING ENAMEL

LOW GLOSS



NCP	GLYPTAL	COLOR
GLY-1201Red	1201 Red	Red
GLY-G1201	G1201	Red
GLY-1201Green	1201 Green	Green

PRODUCT DESCRIPTION

This one-component, low-gloss insulating enamel provides a smooth, durable finish with excellent electrical and mechanical properties. Designed for motors, generators, armatures, coils, and industrial metal components, it offers strong adhesion and long-term resistance to moisture, oil, and mild chemicals. The coating forms a tough, flexible film that withstands heat, vibration, and mechanical stress without cracking or degrading. With reliable dielectric strength and proven resistance to abrasion and corrosion, it supports both OEM production and maintenance work where a protective, low-sheen insulating finish is required.

Key Features & Benefits

- Produces a uniform low-gloss finish with long-term color and film stability.
- Provides excellent electrical insulating properties with strong dielectric strength.
- Delivers reliable adhesion and film flexibility for durable protection.
- Resists moisture, oil, and mild chemicals to prevent corrosion and contamination.
- Maintains integrity under heat and vibration in demanding electrical environments.
- Offers good abrasion resistance for components exposed to handling and service wear.
- Suitable for OEM production, repair operations, and electrical equipment refurbishment.
- Learn more at 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.

APPLICATION

Thin as needed for conventional spray equipment. Do not use primer on areas exposed to heat, especially electrical components.

Reducer: GLY-G1500, GLY-G1500 or GLY-G3190 up to 3:1

Recommended Film Thickness: 1.5–2.0 mils on smooth metal; 2.0–2.5 mils on blasted metal, dry

Theoretical Coverage: 723 sq. ft./gal @ 1 mil DFT

DRY TIMES			
Touch	<30 min	Hard	<120 min
Recoat	2-4 Hours	Topcoat	2-4 Hours
Force Cure	200°F for 30–60 min 150°F for 2–3 hours	Through	16–24 hours

Recoat: same product sprayed on top of itself

REGULATORY INFORMATION

Volume Solids: 42-46%

Weight Solids: 50-60%

Weight: 9.3-9.8 lbs./gal, 1.11 - 1.17 g/l

VOC: 3.93 - 3.98 lbs./gal, 470.91 - 476.91 g/L

HAPS: 2.59 - 2.69 lbs./gal, 310.35 - 322.33 g/L

PERFORMANCE CHARACTERISTICS	
Substrate Tested	Copper
Viscosity	55-73 KU
Dielectric Strength (ASTM D149)	1500 v/mil
Insulation Resistance	75×10 ⁷ ohms 24h @ 90% RH
Arc Resistance (ASTM D495)	480 seconds

For additional substrates application information, contact your account manager.

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.

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.