

Glyptal 1201 Red Enamel

General

Originally produced as an insulating coating for the treatment of coils and armatures, Glyptal 1201's outstanding resistance to corrosion, moisture, heat, acid, oil and dust has seen it employed in numerous industries as a adhesive, primer, sealer and protective finish.

Applications

Glyptal 1201's versatility has led it to be employed as a:

- Electrical insulation for coils and armatures
- Coating for the interior of hydraulic tanks and bearing cases
- Anti-moisture coating for thermostat, truck control and water cooler parts
- Primer and finish for motor, generator and transformer housings
- Sealer for concrete floors
- Sealer for pipe and stud threads and vacuum systems
- Anti-corrosion protection for winches and other apparatus.

Availability

Glyptal 1201 Red Enamel is available in three formulations:

- **1201** – Excellent as a general purpose paint. Available in a range of container sizes ready for brushing and may be thinned for spray applications.
- **1201A** – This aerosol-spray version of 1201 is packed for convenience and greater economy in a large, 361gm can. Pressurant is non-fluorocarbon.
- **1201B** – A modified 1201, having greater viscosity and designed for use in applications where a heavier film is required for thread sealing gasket; may be used in vacuum atmospheres.

Features

- **Arc Resistance**, even with air-dried films, is 480 seconds
- **Dielectric Strength**, is rated at 1500 volts per mil, permits thinner coating than most other paints
- **Heat Resistance**, can withstand continuous temperatures of 135°C for months
- **Water resistance**, displays excellent characteristics
- **Fast drying**, is tack-free in about 30 minutes at room temperature, can be baked for a smooth finish
- **Toughness**, 1201 has a low-gloss finish designed for great resistance to abrasion
- **Prolonged Aging**, 1201's film doesn't crack, leaving no path for destructive agents to get in
- **Prolonged Heat**, 3700 hours at 35°C resulted in no change to dielectric strength
- **Meets requirements of MIL-E-22118**

Important

This information should not be treated as a substitute for specific technical advice. AG does not offer such advice and cannot warrant the performance or suitability of products for particular applications.

Glyptal 1201 Red Enamel

Properties

	1201	1201A Aerosol Packaged	1201B
Percent Solids – weight avg.	60	-	70
Viscosity at 25°C – cps avg.	325	-	2000
Solvent System	Xylene	Xylene + Toulene	Xylene
Air Dry Time – 1 mil avg. Dust-free	½ hour	½ hour	½ hour
Air Dry time – 1 mil avg. Tack-free to handle	2 hrs	2 hrs	2 hrs
Specific Gravity at 25°C avg.	1.17	-	1.44
Flash Point – closed cup - °F	72	-	72

Typical Cured Film Properties

Dielectric Strength – dry (ASTM D115-55) volts/mil	1500	1500	1500
Dielectric Strength 24 hours in water – volts/mil	350	350	350
Arc Resistance – seconds	480	480	480
Insulation Resistance 24 hours at 90 percent RH	7.5×10^7	7.5×10^7	7.5×10^7

Chemical Resistance of Cured Film

Acid	Good
Alkali	Fair, low concentrations
Oil (transit)	Excellent
Salt Water	Good
Water	Good

Values listed are typical unless otherwise noted. This is a general guide and should not be the sole means of selecting this material.



Glyptal 1201A Aerosol

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