PRODUCT INFORMATION

LORD Engineered Adhesives

AP-134

One Coat Primer

Description

Lord AP-134 primer is a clear, low viscosity, solvent borne reactive polymer that functions as a primer or adhesive for various polar substrates. These substrates include: steel, aluminum, brass, E-coated metal, glass fabric, architectural and automotive glass, ceramic tile, vitrified clay pipe, concrete, and some plastics.

Features and Benefits

Versatile - provides excellent adhesion in a single coat application to a variety of polar substrates, topcoats, and encapsulating polymers.

Easy to Apply - can be applied by spray, dip, or polyester felt applicator.

One-Coat System - provides a single-coat application, resulting in reduced costs in labor, solvent usage, shipping and inventory. For most applications, Lord AP-134 requires only a one-step primer process.

Typical Properties of Lord AP-134 Primer*

Appearance	Clean light straw yellow liquid
Non-volatile content by weight	4.8% - 6.2%
Density kg/m^3 lb/gal	 863 - 899 7.2 - 7.5
Viscosity	8 centistrokes maximum (water thin)
Flash Point (Seta)	1.6°C (35°F)
Solvents	Toluene, n-Butanol, Ethanol
Shelf Life	1 year from date of shipment, unopened container at 21°C - 27°C (70°F - 80°F) storage temperature.

* Data is typical and not to be used for specification purposes.

Surface Preparation

To ensure optimum adhesion to glass, wash the substrate with a vinegar based glass cleaner prior to primer/adhesive application. Consult the Substrate Preparation Guide (DS10-7101) for steel, aluminum, brass, E-coated metal, glass fabric, architectural and automotive glass, ceramic tile, vitrified clay pipe, concrete, and plastic adhesion.

Mixing

Mix Lord AP-134 thoroughly before using. Continuous mixing is not required.

Application

Use spray, dip, or polyester felt applicator to apply onto clean, oil-free substrates. AP-134 is typically applied at full strength, however if dilution is required, use dry alcohol solvents. Other dilutents can introduce moisture that could result in poor adhesion. For best adhesion, apply top coat or encapsulating polymer within 24 hours. Re-priming, or touch-up, may be required to enhance the bond. Lord AP-134 primer dry film thickness should be 1.5 to 2.5 microns (0.06 to 0.1 mils).

Curing

Lord AP-134 primer should be permitted to hydrolyze in moist air (50-80% RH) between 21°C - 32°C (70°F - 90°F) for at least two hours. Lord AP-134 can also be heat cured. A recommended cure cycle is 3 minutes at 88°C (190°F). However, depending on the glass size, 4 minutes or more at higher temperatures may be required. Contact your Lord Technical Service Representative for details for specific curing data.

Clean Up

Uncured adhesive - toluene or alcohol

Cured adhesive - mechanical abrasion, blasting, or grinding

Packaging

- 1/2 Pint Container (0.24 Liter)
- 1 Quart Container (0.95 Liter)
- 1 Gallon Container (3.8 Liter)
- 5 Gallon Pail (19 Liter)
- 55 Gallon Drum (208 Liter)

Storage

Store in a cool dry place. Do not open until ready to use. Protect from moisture contamination; when using a 55 gallon drum as a dispensing container, attach a desiccant cartridge to eliminate moisture contamination. Use only with proper ventilation.

Cautionary Information

Before using this or any Lord product, refer to the Material Safety Data Sheet (MSDS) and label for safe use and handling instructions.

For industrial/commercial use only. Must be applied by trained personnel only. Not to be used in household applications. Not for consumer use.

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