

Chemlok® AP-134 Primer

Technical Data Sheet

Chemlok® AP-134 primer is a one-coat, moisture-cure primer used to promote adhesion to a variety of polar substrates. These substrates include architectural and automotive glass, steel, aluminum, brass, e-coated metal, glass fabric, ceramic tile, vitrified clay pipe, concrete and some plastics.

Features and Benefits:

Versatile – provides a wide range of product applications by functioning as a primer to a variety of polar substrates and as an adhesive for reaction injection molding (RIM) of polyurethane to glass.

Easy to Apply – applies easily by spray, dip or polyester felt applicator.

Convenient – requires only a single coat for most applications, reducing labor, solvent usage, inventory and shipping costs.

Application:

Surface Preparation – To ensure optimum adhesion to glass, clean the bond surface with a vinegar-modified glass cleaner. For other applications, wipe surface with a suitable solvent.

Mixing – No mixing is required before or during use. Dilution is not required.

Applying – Apply primer by spray, dip or polyester felt applicator.

Regardless of application method, the dry film thickness of Chemlok AP-134 primer should be 1.52-2.54 micron (0.06-0.10 mil).

Drying/Curing – Allow primer to hydrolyze in moist air (50-80% RH) at 21-32°C (70-90°F) for 1-2 hours. To reduce the hydrolysis time, parts can be cured in an oven at 88°C (190°F) for 3 minutes. Air being drawn into the oven should be 50-80% RH. The cure time can vary depending on the mass of the part being primed. Large parts require more time in an oven to complete cure, due to the heat sink effect of the larger mass.

For best adhesion, apply top coat or encapsulating polymer within 24 hours after primer cures.

Cleanup – Use toluene or alcohol to remove wet primer. Remove cured primer by mechanical abrasion, blasting or grinding methods.

Shelf Life/Storage:

Shelf life is one year from date of shipment when stored by the recipient in a dry, well ventilated area at 21-27°C (70-80°F) in original, unopened container.

After opening, protect primer from moisture contamination. If using a 55-gallon drum, install a desiccant cartridge to dry the air drawn into the drum when drawing off product.

Typical Properties*

Appearance	Clear, Straw Yellow Liquid
Viscosity, cSt @ 25°C (77°F)	0.0-8.0
Density kg/m ³ (lb/gal)	863-899 (7.2-7.5)
Solids Content by Weight, %	4.8-6.2
Flash Point (Seta), °C (°F)	1 (35)
Solvents	Toluene, n-Butanol, Ethanol

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



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Cautionary Information:

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Values stated in this document represent typical values as not all tests are run on each lot of material produced. For formalized product specifications for specific product end uses, contact the Customer Support Center.

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