

Chemlok® AP-134

Technical Data Sheet

Chemlok® AP-134 is a one-coat, moisture-cure surface treatment 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 a surface treatment 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 performance on glass, clean 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 Chemlok AP-134 by spray, dip or polyester felt applicator.

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

Drying/Curing – Allow Chemlok AP-134 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 performance, apply top coat or encapsulating polymer within 24 hours after film cures.

Cleanup – Use toluene or alcohol to remove wet Chemlok AP-134. Remove cured Chemlok AP-134 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 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:

Before using this or any Parker LORD product, refer to the Safety Data Sheet (SDS) and label for safe use and handling instructions.

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

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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Chemlok® AP-134

技术说明书

Chemlok® AP-134 是一款单涂型湿气固化表面处理剂，可用于底涂，也可帮助和促进各种极性基材附着。这些基材包括钢、铝、黄铜、电镀层金属、玻璃纤维、建筑和汽车玻璃、瓷砖、陶土管、混凝土和某些塑料。

特征和优点:

用途广泛 – 作为各种极性基材的底涂和反应注射成型 (RIM) 聚氨酯包边玻璃的表面处理剂使用，产品应用广泛。

易于涂敷 – 使用简单，喷涂、浸涂或聚酯毡均可。

使用方便 – 大多数情况下仅需一层涂敷，可降低人力成本，溶剂使用量，库存和物流成本。

使用方法:

表面处理 – 为确保最佳性能，请使用醋酸改性玻璃清洁剂清洁表面。对于大部分应用，也可以使用合适的溶剂擦拭表面。

混合 – 在使用前或使用时无需搅拌。不需要稀释。

涂敷 – 使用喷涂、浸涂或聚酯毡均可。

无论采用何种涂敷方式，Chemlok AP-134的干膜厚度应为1.52-2.54微米 (0.06- 0.10密尔)。

干燥/固化 – Chemlok AP-134可在21-32°C (70-90°F)下，于潮湿空气中水解1-2小时。为了缩短水解时间，零件可在88°C (190°F)的烘箱中固化3分钟。烘箱中的相对湿度为50-80% RH。固化时间根据涂敷件的质量而有所不同。大型零件在烘箱中完成固化的时间更长，因为质量大会产生散热器效应。

为了获得最佳性能，应在Chemlok AP-134固化后24小时内涂敷面涂或注射聚合物。

清理 – 使用甲苯或酒精去除湿的Chemlok AP-134。固化后的Chemlok AP-134可通过机械打磨、喷砂或研磨方法去除。

保质期/储藏要求:

自发货之日起，保质期为一年，但是收货人必须使用出厂未开封的原装容器。在21-27°C (70-80°F)的温度下保存于通风良好区域。

开封后，避免湿气污染。如果使用55加仑的包装，请安装干燥剂筒，以便在取出产品时干燥吸入桶内的空气。

典型特性*

外观	透明的浅黄色液体
粘度, cSt @ 25°C (77°F)	0.0-8.0
密度 kg/m ³ (lb/gal)	863-899 (7.2-7.5)
固体含量, %	4.8-6.2
闪点 (Seta), °C (°F)	1 (35)
溶剂	甲苯、正丁醇、乙醇

*典型数据不可作为产品标准之用。



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