

Chemlok® 6125

Technical Data Sheet

Chemlok® 6125 is a covercoat that affixes a wide variety of elastomers to various metals. It is composed of a mixture of polymers, organic compounds and mineral fillers dissolved or dispersed in an organic solvent system.

Chemlok 6125 provides improved heat resistance while offering excellent resistance to water, salt spray, chemicals, oils, solvents and corrosive atmospheres.

Features and Benefits:

Versatile – affixes a variety of elastomers and metals when used in combination with Chemlok 205. Use of Chemlok 205 as a primer helps to ensure strong environmental resistance and performance of the complete rubber-to-substrate assembly.

Excellent Appearance – provides a continuous film appearance.

Elastomers:

- Natural Rubber (NR)
- Polyisoprene (IR)
- Styrene-butadiene (SBR)
- Polybutadiene (BR)
- Polychloroprene (CR)

Application:

Surface Preparation – Thoroughly clean metal surfaces prior to primer application. Remove protective oils, cutting oils and greases by solvent degreasing or alkaline cleaning. Remove rust, scale or oxide coatings by suitable chemical or mechanical cleaning methods.

Allow primer to thoroughly dry before applying Chemlok 6125.

For further detailed information on surface preparation of specific substrates, refer to Chemlok application guide.

Mixing – Thoroughly stir Chemlok 6125 before use, and agitate sufficiently during use to keep dispersed solids uniformly suspended. Agitation methods and times will vary depending on container size and time in inventory. To ensure a homogeneous mix and uniform appearance, refer to Chemlok application guide for recommended mixing procedures.

If dilution is needed, use xylene or toluene. Note proper dilution for the various application methods is best achieved by experience. Give careful attention to agitation since dilution will accelerate settling.

Applying – Apply Chemlok 6125 by brush, dip, spray or roll coat methods.

Regardless of application method, the dry film thickness of Chemlok 6125 should be 12.7-25.4 micron (0.5-1.0 mil).

Typical Properties*

Appearance	Black Liquid
Viscosity cps @ 25°C (77°F) Brookfield LVT Spindle 2, 30 rpm	70-200
seconds Zahn Cup #2	41
Density kg/m ³ (lb/gal)	970.0-1010.0 (8.1-8.4)
Solids Content by Weight, %	23-27
Flash Point (Seta), °C (°F)	27 (81)
Solvents	Xylene

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



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Drying/Curing – Allow Chemlok 6125 to dry until visual examination of the film has shown that all solvent has evaporated. This will take approximately 30-60 minutes at room temperature. Drying time can be shortened by either preheating the metal inserts or oven drying after application. Metal parts may be preheated to a maximum of 60°C (140°F) prior to application of Chemlok 6125. For coated parts, moderate drying temperatures should be used, but temperatures as high as 93°C (200°F) may be used for very short periods of time. Maximum air flow at minimum temperatures will give the best results.

Cleanup – Use xylene to remove wet or dry Chemlok 6125. Remove cured Chemlok 6125 by mechanical blasting methods.

Shelf Life/Storage:

Shelf life is one year from date of shipment when stored by the recipient at 21-27°C (70-80°F) in original, unopened container. Do not store or use near heat, sparks or open flame.

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.

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Chemlok® 6125

技术说明书

Chemlok® 6125是一种面涂,可以帮助和促进各式各样的弹性体附着至各种金属。本品是聚合物、有机化合物和矿物填料在有机溶剂体系内溶解或分散而形成的混合物。

Chemlok 6125具有经过改良的耐热性,同时兼具优异的耐水性、耐盐雾、耐化学品、耐油脂、耐溶剂和耐腐蚀性空气。

特征和优点:

用途广泛 – 当配合Chemlok205使用时,可以帮助和促进各式各样的弹性体附着至各种金属。Chemlok 205底涂针对橡胶至金属的装配可以确保出色的耐环境性。

外观出色 – 涂层外观连续均匀。

弹性体:

- 天然橡胶 (NR)
- 聚异戊二烯 (IR)
- 丁苯橡胶 (SBR)
- 顺丁橡胶 (BR)
- 氯丁橡胶 (CR)

使用方法:

表面处理 – 在涂敷底涂前,应彻底清洗金属表面。使用溶剂型除油剂或碱性清洗剂去除金属表面的保护油、切削油和油脂。选择适当的化学清洗或机械清洗方法除去金属表面的锈、氧化层或氧化膜。

在涂敷Chemlok 6125之前确保底涂彻底干燥。

对于特定基材的表面处理的详细信息请参阅Chemlok/Chemosil应用指南。

混合 – 使用本品前,应彻底搅拌均匀。使用时,充分搅拌以保持悬浮固体均匀分散。搅拌方式和搅拌时间将随着容器的大小和库存时间而变化。为了确保均匀的混合和统一的外观,请参阅Chemlok应用指南获取推荐的混合步骤。

如果需要稀释,使用二甲苯或甲苯。注意,需要根据经验判断不同涂敷方法的适用稀释程度。由于稀释会加速沉淀,因此应注意进行搅拌。

涂敷 – 采用刷涂、浸涂、喷涂或辊涂的方式。

无论采用何种涂敷方式,Chemlok 6125的干膜厚度应为12.7-25.4 微米 (0.5-1.0密尔)。

干燥/固化 – Chemlok 6125涂敷后自然风干,目测检查涂膜确保溶剂已全部挥发。这在室温下大概需要30-60分钟。对金属嵌件进行预热或在涂敷后进行烘干可缩短干燥时间。涂敷本品前,金属工件最高可预热至 60°C (140°F)。应适当控制覆膜件的干燥温度,但可在短时间内使用高达93°C (200°F) 的干燥温度。低温高气速的干燥效果最好。

清理 – 可以使用二甲苯去除已干燥和未干燥的Chemlok 6125。也可使用机械打磨的方式去除固化的Chemlok 6125。

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,且保存在21-27°C (70-80°F) 的环境下。储藏或使用不得靠近热源、火花或明火。

典型特性*

外观	黑色液体
粘度 cps @ 25°C (77°F) Brookfield粘度计 2号转子, 转速30 rpm	70-200
seconds Zahn Cup #2	41
密度 kg/m ³ (lb/gal)	970.0-1010.0 (8.1-8.4)
固体含量, %	23-27
闪点 (Seta), °C (°F)	27 (81)
溶剂	二甲苯

*典型数据不可作为产品标准之用。



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