

CHEMLOK® EP6804-22

Technical Data Sheet

Chemlok® EP6804-22 is a conductive one-coat surface treatment that affixed a wide variety of vulcanized or unvulcanized rubber compounds to metal. It is composed of a mixture of polymers, organic compounds and mineral fillers dissolved or dispersed in an organic solvent system.

Chemlok EP6804-22 has excellent corrosion resistance when used with aluminum and mechanically or chemically treated cold rolled steel.

Features and Benefits

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

Versatile: can be used in a variety of applications where conductivity is required.

Elastomers

- Natural Rubber (NR)
- Polyisoprene (IR)
- Styrene-butadiene (SBR)
- Polybutadiene (BR)
- Chlorinated Polyethylene (CPE)
- Chlorosulfonated Polyethylene (CSM)
- Polychloroprene (CR)
- Nitrile (NBR)
- Butyl (IIR)
- EPDM Polymers

Application

Surface Preparation: Thoroughly clean metal surfaces prior to 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.

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

Mixing – Thoroughly stir Chemlok EP6804-22 before use, and agitate sufficiently during use to keep dispersed solids uniformly suspended. If dilution is needed, use toluene or xylene. 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 EP6804-22 by brush, dip, spray or any method that gives a uniform coating and avoids excessive runs or tears.

The conductivity of the film is dependent on the dry film thickness. Regardless of application method, the dry film thickness of Chemlok EP6804-22 should be 12.7-25.4 micron (0.5-1.0 mil). Where minimum environmental resistance is required, film thickness in the lower range can be used. Thicker films may be necessary on certain rubber compounds and where maximum environmental resistance is required. For affixing cured rubber, dry film thickness of 25.4-50.8 micron (1.0-2.0 mil) is normally used.

Drying/Curing: Allow Chemlok EP6804-22 to air-dry for 30-60 minutes at 16-32°C (60-90°F). Longer dry times may be necessary during humid conditions. Moderate drying temperatures of up to 93°C (200°F) can be used for short periods of time; usually 15-20 minutes at 93°C (200°F) is adequate.

Cleanup: Use xylene or toluene to clean up Chemlok EP6804-22.

Typical Properties*	
Appearance	Black Liquid
Viscosity, cps @ 25°C (77°F) Brookfield LVT Spindle 2, 30 rpm	50 - 250
Density kg/m ³ (lb/gal)	958.6 - 1006.5 (8.0 - 8.4)
Solids Content by Weight, %	24 - 27
Flash Point (Seta), °C (°F)	9 (48)
Solvents	Toluene, Xylene

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

Shelf Life/Storage

Shelf life is six months from date of shipment when stored by the recipient in a well ventilated area 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.

Verify Volatile Organic Compounds (VOC) requirements with the applicable local, regional and state air quality authorities before importing, selling or using this product. VOC rules, thresholds and reporting obligations vary by jurisdiction; compliance is the responsibility of the importer/seller/owner.

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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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® EP6804-22

技术说明书

Chemlok® EP6804-22是一种具有传导性的单涂表面处理剂,可以帮助和促进各式各样硫化或未硫化橡胶化合物附着至金属上。本品是聚合物、有机化合物和填料在有机溶剂系统内溶解或分散形成的混合物。

Chemlok EP6804-22和铝以及经机械或化学处理的冷轧钢一起使用时,具有出色的耐腐蚀性。

特征和优点

使用方便: 大多数情况下仅需单层涂敷,可减少工作量、降低仓储和货运成本。

用途广泛: 可用于各种需要传导性的涂敷。

弹性体

- 天然橡胶 (NR)
- 聚异戊二烯 (IR)
- 丁苯橡胶 (SBR)
- 顺丁橡胶 (BR)
- 氯化聚乙烯 (CPE)
- 氯丁橡胶 (CR)
- 丁腈橡胶 (NBR)
- 丁基橡胶 (IIR)
- EPDM 聚合物
- 氯磺化聚乙烯橡胶 (CSM)

使用方法

表面处理: 在涂敷前,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、腐蚀层或氧化层。

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,充分搅拌以保持分散固体均匀悬浮。如果需要稀释,可使用甲苯或二甲苯。注意:针对不同涂敷方式的稀释最好通过经验获得。稀释会加速沉降,搅拌时须特别注意。

涂敷: Chemlok EP6804-22可采用刷涂、浸涂、喷涂或任何可提供均一涂膜、避免涂膜流淌或撕裂的涂敷工艺。

涂层的传导性取决于干膜厚度。无论哪种涂敷工艺,Chemlok EP6804-22的建议干膜厚度为12.7-25.4微米(0.5-1.0密尔)。耐环境要求低的情况下,可使用较低范围的膜厚度。对某些橡胶化合物,为了实现严苛的耐环境要求,较厚的膜厚是必要的。为帮助和促进硫化橡胶附着,通常使用的干膜厚度为25.4-50.8微米(1.0-2.0密尔)。

干燥/固化: Chemlok EP6804-22在16-32°C (60-90°F)下自然风干30-60分钟。空气湿度比较大时,干燥时间可能需要更长。短时间内可使用高达93°C (200°F)的中等干燥温度;在93°C (200°F)时,通常15-20分钟即可。

清理: 可以使用二甲苯或甲苯清理Chemlok EP6804-22。

保质期/储藏要求

自发货之日起,保质期为6个月,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)通风良好的环境下。储藏或使用时时不得靠近热源、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	50 - 250
密度 kg/m ³ (lb/gal)	958.6 - 1006.5 (8.0 - 8.4)
固体含量, %	24 - 27
闪点 (Seta), °C (°F)	9 (48)
溶剂	甲苯、二甲苯

*典型数据不可作为产品标准之用。

警示信息

使用本品或派克洛德 (Parker Lord) 任何产品之前, 请参阅安全数据表 (SDS) 和产品标签上关于安全使用和处理的说明。

在进口、销售或使用本产品之前, 请与当地及相关国家区域的空气质量主管部门核实挥发性有机物 (VOC) 的要求。VOC 的规定、阈值和报告义务因地区而异; 合规责任在于进口商/销售商/所有者。

仅可用于工业/商业用途。要求本品在有组织排放下使用。使用本品者事先必须接受相关培训。不得用于家庭用途。不得用于消费品。

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