

CHEMLOK® 608

Technical Data Sheet

Chemlok® 608 is a one-coat surface treatment designed for affixing unvulcanized silicone elastomers to various rigid substrates.

Chemlok 608 also provides excellent performance on a wide variety of commercially available silicone compounds which require a post cure.

Features and Benefits

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

Versatile: offers excellent performance on a variety of silicone compounds.

Environmentally Resistant: provides excellent resistance to many aggressive service environments.

Economical: used for most applications at dilutions of 500-1000% with dry alcohol solvents.

Elastomers

- Silicone (VMQ, PMQ, PVMQ) - peroxide cure

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: Chemlok 608 is best applied as a dilute solution. Specific dilution rates are dependent upon rubber type, substrate and performance requirements. Best results have been obtained using methanol in a range from 5-10 parts solvent to 1 part Chemlok 608, by volume.

Applying: Apply Chemlok 608 in a uniformly thin coat.

Drying/Curing: Allow Chemlok 608 to air-dry for 10-30 minutes at room temperature. Drying time can be shortened by using heat sources to facilitate drying. Temperatures in the range of 65-93°C (150-200°F) for 5-15 minutes may be used for force drying. Maximum air flow at minimum temperature will give the best results.

Coated parts may be processed immediately after air-drying. For best results, the parts should be coated and cured in the same day.

A variety of commercially available silicone stocks have been successfully affixed with Chemlok 608. Use press-cure times and temperatures recommended by the elastomer manufacturers for each compound.

Silicone-to-metal systems formed with Chemlok 608 are resistant to most aggressive environments encountered in end-use service.

Shelf Life/Storage

Shelf life is two years from date of shipment when stored by the recipient at 21-27°C (70-80°F) in original, unopened container.

Tightly close the container when not in use to prevent solvent evaporation and possible moisture contamination. Do not return unused or diluted Chemlok 608 to original container. Take care to avoid moisture contamination indicated by a milky white appearance.

Typical Properties*

Appearance	Clear to Hazy Yellow Liquid
Density kg/m ³ (lb/gal)	830 - 860 (6.9 - 7.2)
Solids Content by Weight, %	18 - 20
Flash Point (Seta), °C (°F)	3 (38)
Solvents	Methanol

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

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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The user, through its own analysis and testing, is solely responsible for making the final selection of the system and components and assuring that all performance, endurance, maintenance, safety and warning requirements of the application are met. The user must analyze all aspects of the application, follow applicable industry standards, and follow the information concerning the product in the current product catalog and in any other materials provided from Parker or its subsidiaries or authorized distributors.

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CHEMLOK® 608

技术说明书

Chemlok® 608是一款单涂表面处理剂,设计用于帮助和促进未固化的硅胶弹性体附着至各种硬质基材。

对于商业上大量生产供应、需要二次固化的有机硅弹性体, Chemlok 608也能提供优异的附着性能。

特征和优点

使用方便: 只须涂敷一层,可减少工作量并降低仓储和货运成本。

用途广泛: 与各种有机硅混合物有出色的附着性能。

耐环境性强: 对许多恶劣的使用环境具有出色的抵抗能力。

经济: 大多数情况下,稀释比为500-1000%,使用无水醇类溶剂作为稀释剂。

弹性体

- 硅橡胶 (VMQ, PMQ, PVMQ) - 过氧化物固化

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: Chemlok 608在使用时最好进行稀释。具体的稀释比取决于橡胶的类型、基材和对性能的要求。最佳稀释方案是用甲醇作为稀释剂,体积稀释比为5-10份甲醇兑一份Chemlok 608。

涂敷: 涂敷Chemlok 608时,应形成均一的薄涂层。

干燥/固化: Chemlok 608在室温下自然干燥需要10-30分钟。使用热源来加速干燥,可缩短干燥时间。强制干燥时,温度范围65-93°C (150-200°F),时间5-15分钟。低温高气速的干燥效果最好。

已涂敷的工件可以在自然风干后立即进行操作。为获得最佳效果,工件应在同一天进行涂敷和固化。

Chemlok 608已成功应用于诸多商业化的有机硅材料上。对于不同的弹性体,应使用制造商推荐的加压固化时间和温度。

使用Chemlok 608的硅胶至金属体系可以耐受大多数在终端应用中可能遭受的严苛环境。

保质期/储藏要求

自发货之日起,保质期为两年,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) 环境下。

不使用时,应密闭包装容器,以防溶剂挥发和材料吸水。不要将取出未用或者稀释后的Chemlok 608倒回原包装容器。注意避免材料吸水,吸水后产品外观会呈现出乳白色。

典型特性*

外观	澄清至亮黄色液体
密度 kg/m ³ (lb/gal)	830 - 860 (6.9 - 7.2)
固体含量, %	18 - 20
闪点 (Seta), °C (°F)	3 (38)
溶剂	甲醇

*典型数据不可作为产品标准之用。

警示信息

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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。

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