

CHEMLOK® 2332

Technical Data Sheet

Chemlok® 2332 is a covercoat used to affix a wide variety of unvulcanized or vulcanized rubber compounds to primed metals or other rigid substrates. Chemlok 2332 will also affix treated textiles to rubber during vulcanization process. It is composed of a mixture of polymers, organic compounds and mineral fillers dissolved or dispersed in an organic solvent system.

Chemlok 2332 is recommended for use over Chemlok 205 or Chemosil® 211.

Features and Benefits

Versatile: when used in combination with Chemlok 205 or Chemosil 211, affixes a wide variety of cured and uncured elastomer compounds to rigid substrates; affixes treated textiles to rubber during vulcanization.

Improved Shelf Life: resists hard settling.

High Temperature Resistant: withstands temperatures, up to 149°C (300°F), often encountered during routine service of cured assembly.

Environmentally Resistant: provides high strength systems capable of withstanding salt spray, heat and water when used in combination with Chemlok 205 or Chemosil 211.

Easy to Apply: applies easily by spray, dip, brush or roll coat methods.

Elastomers

- Natural Rubber (NR)
- Polyisoprene (IR)
- Styrene-butadiene (SBR)
- Nitrile (NBR)
- Hydrogenated Nitrile (HNBR)
- Polybutadiene (BR)
- Polychloroprene (CR)
- Butyl (IIR)
- Polyacrylate (ACM)
- Polyepichlorohydrin (ECO)
- Millable Urethane
- Hytrel TPE only

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 2332.

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

Mixing: Thoroughly stir Chemlok 2332 before use, and agitate sufficiently during use to keep dispersed solids uniformly suspended. 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 2332 by brush, dip, spray or roll coat methods.

Regardless of application method, the dry film thickness of Chemlok 2332 should be 12.7-17.8 micron (0.5-0.7 mil).

Typical Properties*	
Appearance	Black Liquid
Viscosity, cps @ 25°C (77°F) Brookfield LVT Spindle 2, 30 rpm	100 - 250
Density kg/m³ (lb/gal)	920 - 970 (7.68 - 8.10)
Solids Content by Weight, %	23.5 - 25.5
Flash Point (Seta), °C (°F)	22 (72)
Solvents	Xylene

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

Thicker films may be necessary on certain hard-to-process rubber compounds and where maximum environmental resistance is required. When affixing textile, increase recommended dry film thickness by 6-10%.

Drying/Curing: Allow Chemlok 2332 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 can be preheated to a maximum of 65°C (150°F) prior to application. Maximum air flow at minimum temperatures will give the best results.

Cleanup: Use solvents such as xylene or methyl ethyl ketone (MEK) to remove Chemlok 2332 before heat is applied. Remove cured Chemlok 2332 by mechanical abrasion methods.

Shelf Life/Storage

Shelf life is nine months from date of manufacture when stored by the recipient below 25°C (77°F) in original, unopened container. Do not store or use near heat, sparks or open flame.

Chemlok 2332 is moisture sensitive. Minimize exposure to moisture by preparing only what is needed for several hours of use.

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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CHEMLOK® 2332

技术说明书

Chemlok® 2332这款面涂可帮助和促进各种未硫化或硫化的橡胶化合物附着至涂有底涂的金属或其它刚性基材上。Chemlok 2332还在硫化工艺期间帮助和促进经过处理的织物附着至橡胶上。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。

建议在Chemlok 205或Chemosil® 211上覆涂Chemlok 2332。

特征和优点

用途广泛: 和Chemlok 205或Chemosil 211配合使用时, 帮助和促进各种固化和未固化弹性体化合物附着至刚性基材上; 在硫化期间帮助和促进经过处理的织物附着至橡胶上。

延长保质期: 减少严重的沉降。

耐高温性强: 可耐受在日常硫化装配过程中经常碰到的高达149°C (300°F)的温度。

耐环境性强: 与Chemlok 205或Chemosil 211配合使用时, 形成高强度结构, 可耐受盐雾、热量和水。

易于涂敷: 使用简单, 喷涂、浸涂、刷涂或辊涂均可。

弹性体

- 天然橡胶 (NR)
- 聚异戊二烯 (IR)
- 丁苯橡胶 (SBR)
- 丁腈橡胶 (NBR)
- 氢化丁腈橡胶 (HNBR)
- 顺丁橡胶 (BR)
- 氯丁橡胶 (CR)
- 丁基橡胶 (IIR)
- 聚丙烯酸酯 (ACM)
- 氯醚橡胶 (ECO)
- 混炼型聚氨酯
- 仅Hytrel热塑性聚酯弹性体

使用方法

表面处理: 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。

在涂敷Chemlok 2332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。如果需要稀释, 可使用二甲苯或甲苯。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 2332可采用刷涂、浸涂、喷涂或辊涂的涂敷工艺。

无论采用何种涂敷方式, Chemlok 2332的干膜厚度为12.7-17.8微米 (0.5-0.7密尔)。在某些难以粘结的橡胶化合物和要求严苛的耐环境性的应用, 可能需要涂敷更高的厚度。粘结织物时, 干膜厚度建议增加6-10%。

干燥/固化: 等待Chemlok 2332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。可以通过预热金属嵌件或涂敷后用烘箱干燥的方式, 缩短干燥时间。涂敷前, 金属零件最高可预热至65°C (150°F)。在最低温度条件下保持最高的空气流量的效果最佳。

清理: 加热前, 使用二甲苯或丁酮 (MEK) 等溶剂去除Chemlok 2332。固化后, 可通过机械打磨去除。

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	100 - 250
密度 kg/m³ (lb/gal)	920 - 970 (7.68 - 8.10)
固体含量, %	23.5 - 25.5
闪点 (Seta), °C (°F)	22 (72)
溶剂	二甲苯

*典型数据不可作为产品标准之用。

保质期/储藏要求

自生产之日起,保质期为九个月,但是收货人必须使用出厂未开封的原装容器,且保存在低于25°C (77°F)的环境下。储藏或使用时不得靠近热源、火花或明火。

Chemlok 2332对于湿度敏感。建议仅取足够数小时使用的适量材料,以减少材料暴露于湿气中。

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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