Chemlok® 8008 Primer

Technical Data Sheet

Chemlok® 8008 primer is a water-based primer that bonds elastomers to metals and other substrates when used in combination with Chemlok water-based covercoat adhesives. It is composed of a mixture of dispersed mineral fillers, organic compounds, resins and polymer latices in an aqueous medium.

Features and Benefits:

Environmentally Preferred – provides low VOC and HAP for reduced emissions, allowing for safer work environment and regulatory compliance.

Versatile – functions as an effective primer for many materials such as steel, phosphated steel, nylon, aluminum and brass.

Environmentally Resistant – preferred water-based Chemlok primer for glycol resistance; provides excellent resistance to water, salt spray, oil and heat.

Durable – maintains excellent metal adhesion under flexing and high-stress conditions.

Excellent Appearance – provides a smooth coating for use by dip or spray applications. The green color affords good contrast with water-based covercoat adhesives and prepared substrates.

Easy to Use – easily redispersed within 5 to 15 minutes of stirring; imparts little or no settling; ready to use directly out of the container without dilution.

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 Adhesives application guide.

Mixing – Thoroughly mix primer before using to disperse any soft settling which may have occurred during storage. Do not shake. To prevent foaming, mechanical mixing should not exceed 30 rpm. The addition of anti-foaming agents is not recommended.

In most cases, dilution is not required. Deionized water is suggested if dilution is necessary. Add water gradually while stirring either by hand or by using another low-shear mixing method.

Applying – Preheat substrates to 60-65°C (140-150°F) prior to spray application of primer. This heat and spray method prevents runs and sags and gives a dry coating ready for covercoat application. Use contaminant-free air for spraying. All spray equipment, including tanks, fixtures, pressure pots, hoses, guns and nozzles, should be stainless steel or plastic.

Dry film thickness of Chemlok 8008 primer should be 5.1-10.2 micron (0.2-0.4 mil).

Typical Properties*	
Appearance	Green Liquid
Viscosity, cps @ 25°C (77°F) Brookfield LVT Spindle 2, 30 rpm	10 - 150
Density kg/m^3 (lb/gal)	 1114.4 - 1162.3 (9.3 - 9.7)
Solids Content by Weight, %	28 - 32
Flash Point (Seta), °C (°F)	⩾93 (⩾201)
Solvents	Deionized Water

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

Parker Lord

ENGINEERING YOUR SUCCESS.

Drying – If no preheat is employed, parts will dry in 30-60 minutes at room temperature. Allow coated parts to dry at least 60 minutes at room temperature before applying Chemlok water-based covercoat adhesive.

Cleanup – Use soap and water to remove wet primer. Dried primer is not water-soluble and must be removed with a ketone-type solvent.

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 freeze product. Storage below 4°C (40°F) may be detrimental to the primer's properties.

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. Must be applied by trained personnel only. Not to be used in household applications. Not for consumer use.

OD DS4043 05/23 Rev.4

Parker Lord
Engineered Materials Group

111 LORD Drive
Cary, NC 27511-7923
USA

phone +1 877 275 5673

www.Parker.com/EPM