CHEMLOK® 8007 BLUE PRIMER

Technical Data Sheet

Chemlok® 8007 Blue water-based primer is designed to bond elastomers to metals and other substrates when used with Chemlok water-based covercoat adhesives, including Chemlok 8560S-1, Chemlok 8560D-1 and Chemlok 8216 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 reduced VOC emissions, allowing for a safer work environment.

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

Environmentally Resistant: provides excellent resistance to water, salt spray, glycol, oil and heat.

Excellent Appearance: provides a smooth coating for use by dip or spray applications. The blue color affords good contrast with black covercoats and prepared metals.

Easy to Use: easily redispersed within 5 to 15 minutes of stirring; 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 49-65°C (120-150°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 pressure pots, hoses, guns and nozzles, should be stainless steel or plastic.

Dry film thickness of Chemlok 8007 Blue primer should be 5.1-12.7 micron (0.2-0.5 mil).

Typical Properties*

Appearance	Blue Liquid
Viscosity, cps @ 25°C (77°F) Brookfield LVT Spindle 2, 30 rpm	15 - 250
Density kg/m^3 (lb/gal)	 1126.4 - 1174.3 (9.4 - 9.8)
Solids Content by Weight, %	29 - 33
Flash Point (Seta), °C (°F)	⩾93 (⩾201)
Solvents	Deionized Water
pH	6 - 8

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

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Drying/Curing: If no preheat is employed, parts will dry in 30 minutes to one hour at room temperature.

When used in combination with Chemlok covercoat adhesives, Chemlok 8007 Blue primer can be used to bond rubber by compression, transfer and injection molding procedures.

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 three months from date of shipment when stored by the recipient 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 adhesive'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.

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