

Chemlok® 2000 Primer

Technical Data Sheet

Chemlok® 2000 primer is a general-purpose primer that bonds a wide variety of vulcanized and unvulcanized rubber compounds to metals and other rigid substrates. It is composed of a mixture of polymers, organic compounds, and mineral fillers dissolved or dispersed in an organic solvent system.

Features and Benefits:

Versatile – can be used as a primer under a wide variety of Chemlok covercoat adhesives such as the Chemlok 230 series or Chemlok 6000 series adhesives.

Convenient – suitable for existing production lines; can be applied by using brush, dip, spray or roller coat methods.

Durable – provides rubber tearing bonds and excellent environmental resistance when used in combination with Chemlok covercoat adhesives.

Identifiable Appearance – provides a brilliant blue color for easy identification when used over phosphatized substrates.

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.

Apply primer to stainless steel, aluminum, brass, or other nonferrous substrates within one-half hour after cleaning. For ferrous substrates such as steel, a longer layover can be tolerated if no rust is formed.

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

Mixing – Thoroughly stir primer before use, and agitate sufficiently during use to keep dispersed solids uniformly suspended. If dilution is needed, use ketone-type solvents such as MEK (methyl ethyl ketone) and MIBK. 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 primer by brush, dip, roller coat, spray or any method that gives a uniform coating and avoids excessive runs or tears.

Normally the dry film thickness of Chemlok 2000 primer should be 5.1-10.2 micron (0.2-0.4 mil). When using primer over grit blasted substrates or when using it in conjunction with Chemlok 6000 series covercoats, apply a dry film thickness at the high end of the range. For all other applications (i.e., swaging or smooth substrates), apply primer at the low end of the film thickness range.

Drying/Curing – Allow the applied primer to thoroughly dry before applying the covercoat adhesive. This will take approximately 30-45 minutes at room temperature. It is best to use temperatures of 65-93°C (150-200°F) and abundant circulating air; however, forced air drying is possible at temperatures up to 149°C (300°F) for short periods of time. Maximum air flow at minimum temperatures will give the best results.

Cleanup – Clean spills with a rag as soon as possible using MEK.

Typical Properties*

Appearance	Blue Liquid
Viscosity, cps @ 25°C (77°F) Brookfield LVT Spindle 2, 30 rpm	20 - 200
Density kg/m ³ (lb/gal)	916.7 - 970.6 (7.65 - 8.10)
Solids Content by Weight, %	22 - 26
Flash Point (Seta), °C (°F)	19 (66)
Solvents	Methyl Isobutyl Ketone (MIBK), Xylene

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



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Shelf Life/Storage:

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

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.

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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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