

Chemlok® 207 Primer

Description

LORD Chemlok® 207 primer is a solvent-based metal primer designed to provide excellent resistance to a wide range of environmental conditions. It is composed of a mixture of polymers, organic compounds and mineral fillers dissolved or dispersed in an organic solvent system.

Features and Benefits

Excellent Adhesion – provides excellent adhesion to many different metal substrates including aluminum and mechanically or chemically treated cold rolled steel.

Heat Resistant – when used in combination with Chemlok 259 covercoat adhesive, demonstrates excellent resistance to hot solutions of ethylene glycol and water on rubber-to-metal bonded parts.

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.

- **Chemical Cleaning**
Chemical treatments are readily adapted to automated metal treatment and adhesive application lines. Chemical treatments are also used on metal parts that would be distorted by blast cleaning or where tight tolerances must be maintained. Phosphatizing is a commonly used chemical treatment for steel, while conversion coatings are commonly used for aluminum.
- **Mechanical Cleaning**
Grit blasting is the most widely used method of mechanical cleaning. However machining, grinding or wire brushing can be used. Use steel grit to blast clean steel, cast iron and other ferrous metals. Use aluminum oxide, sand or other nonferrous grit to blast clean stainless steel, aluminum, brass, zinc and other nonferrous metals.

For further detailed information on surface preparation of specific substrates, refer to Chemlok Adhesives application guide. Handle clean metal surfaces with clean gloves to avoid contamination with skin oils.

Typical Properties*

Appearance	Gray Liquid
Viscosity, cps @ 25°C (77°F) Brookfield LVT Spindle 2, 30 rpm	70-450
Density kg/m ³ (lb/gal)	874.7-910.7 (7.3-7.6)
Solids Content by Weight, %	17-21
Flash Point (Seta), °C (°F)	14 (58)
Solvents	Methyl Isobutyl Ketone (MIBK), Methyl Ethyl Ketone (MEK)

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

LORD TECHNICAL DATA

Mixing – Thoroughly stir Chemlok 207 primer before use, and agitate sufficiently during use to keep dispersed solids uniformly suspended. If dilution is needed, use MIBK or MEK as diluents.

Applying – Apply Chemlok 207 primer by spray, dip, brush or any method that gives a uniform coating and avoids excessive runs or tears. For optimum adhesion and maximum environmental resistance, the dry film thickness of Chemlok 207 primer should be 5.1-10.2 micron (0.2-0.4 mil).

Shelf Life/Storage

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

Cautionary Information

Before using this or any LORD product, refer to the Material Safety Data Sheet (MSDS) 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.

Values stated in this technical data sheet 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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