

Chemlok® 459M Primer

Description

LORD Chemlok® 459M primer is designed for promoting adhesion to thermoplastic elastomers (TPE), thermoplastic polyolefins (TPO) and EPDM. Chemlok 459M primer contains a fluorescent agent used to identify its presence on the material surface.

Features and Benefits

UV Fluorescence – allows the primed substrate to fluoresce or “glow” when exposed to a UV light source; permits detection of improper wetting or surface skips.

Environmentally Friendly – formulated with acetone, lowering the amount of photochemically reactive solvent.

Versatile – enhances adhesion to difficult-to-bond elastomers, increasing the adhesion of coatings, double-sided tape and adhesives.

Easy to Apply – low viscosity allows for easy application; no mixing required.

Application

Surface Preparation – No surface preparation is required.

Mixing – No mixing is required before or during use.

Applying – Apply Chemlok 459M primer by brush, dip or spray method. For optimum adhesion, the dry film thickness of Chemlok 459M primer should be approximately 2.5 micron (0.1 mil).

Drying/Curing – Allow primer to air-dry for 30-60 minutes at room temperature with good air flow, or use an oven at 93-121°C (200-250°F) for 5-10 minutes. A heat cycle generally improves adhesion.

Cleanup – Use a dry cloth wipe to remove wet primer. Remove dried primer with xylene or a ketone-type solvent.

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.

Typical Properties*

Appearance	Dark Amber Liquid
Viscosity, seconds @ 25°C (77°F) Zahn Cup #1	25-30
Density	
kg/m ³	838.8-874.7
(lb/gal)	(7.0-7.3)
Solids Content by Weight, %	2.9-3.8
Flash Point (Seta), °C (°F)	9 (48)
Solvents	Acetone, Xylene

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

LORD TECHNICAL DATA

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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