

# LORD® 459X Adhesion Enhancer/Surface Modifier

## Description

LORD® 459X adhesion enhancer/surface modifier is designed for promoting adhesion to thermoplastic elastomers (TPE), thermoplastic polyolefins (TPO) and EPDM. LORD 459X primer is in xylene solvent, diluted for direct application.

LORD 459X adhesion enhancer/surface modifier can be used in conjunction with LORD acrylic adhesives, urethane adhesives and epoxy structural adhesives, as well as with a variety of double-sided tapes.

## Features and Benefits

**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 dilution necessary.

**Convenient** – requires very low dry film weights to enhance adhesion to coatings and double-sided tapes.

## Application

**Surface Preparation** – Wipe surface to be primed with a suitable solvent, or wash with detergent and water, then rinse.

**Mixing** – No mixing is required before or during use.

**Applying** – Apply LORD 459X adhesion enhancer/surface modifier by brush, dip or spray method. For optimum adhesion, the dry film thickness should be approximately 0.1 mil (2.5 micron).

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

**Cleanup** – Use a dry cloth wipe to remove wet adhesion enhancer/surface modifier. Remove dried adhesion enhancer/surface modifier with xylene or a ketone-type solvent.

## Typical Properties\*

Appearance	Amber Liquid
Viscosity, cP @ 77°F (25°C) Brookfield LVT Spindle 1, 60 rpm	~10
Density	
lb/gal	7.15-7.35
(kg/m <sup>3</sup> )	(857-881)
Solids Content by Weight, %	2.7-4.1
Flash Point (Seta), °F (°C)	81 (27)
Solvents	Xylene

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

# LORD TECHNICAL DATA

## Shelf Life/Storage

Shelf life is six months from date of shipment when stored at 70-80°F (21-27°C) 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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### **LORD Corporation** **World Headquarters**

111 Lord Drive  
Cary, NC 27511-7923  
USA

### **Customer Support Center** (in United States & Canada)

+1 877 ASK LORD (275 5673)

[www.lord.com](http://www.lord.com)

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