



# 7150

## Gray, Plastic Bonding Urethane Adhesive

### Description

Lord® 7150 adhesive is a two-part, high strength urethane adhesive, used to bond cloth, paper, plastics, foams, rubber, painted and powder coated metals. The product has a unique gray color. It can be either room temperature cured or heat cured for faster processing.

### Features and Benefits

**Primerless Adhesion** - reduces material and labor costs by eliminating the need to prime many plastics.

**Tough High Strength Bonds** - creates strong and durable bonds.

**Proven Environmental and Chemical Resistance** - resists solvents, weathering, and aging.

**Nonflammable** - does not require expensive explosion-proof equipment. Will not deplete ozone.

**100% Solids** - contains no solvent. No VOC content.

**Will not craze plastics** - bonds to plastics without crazing, attacking or lowering the strength of the plastic substrate.

**Variable cure** - cures completely at room temperature or more quickly with heat.

### Typical Properties\* of Lord 7150 Adhesive

	Lord 7150A	Lord 7150B
Composition	Isocyanate	Polyol
Appearance	Black	White
Viscosity, cP at 25°C (75°F)	3,000 - 22,500 Brookfield LVT, spindle #4, 30 rpm	45,000 - 63,000 Brookfield HA, spindle #6, 20 rpm
Density kg/L lb/gal	1.46 - 1.55 12.22 - 12.95	1.31 - 1.37 10.90 - 11.40
Flash Point (Closed Cup)	>93°C (>200°F)	>93°C (>200°F)
Mix Ratio by volume by weight	1.0 1.0	2.0 1.78
Shelf Life	6 months from date of shipment at 21°C - 27°C (70°F - 80°F) unopened container.	

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

## Surface Preparation

Remove dirt, oil contamination and loose particles from surfaces to be bonded. For most plastics, clean the surface with a dry rag wipe or a rag dampened with solvent. Grit blast and solvent wash metal surfaces. Follow by priming for optimum bond performance.

## Mixing

Lord 7150 adhesive has a 1:2 mix ratio, by volume. This adhesive is designed for use with Lord-Pak™ hand held cartridges or automated meter/mix/dispense equipment (see Application section below).

## Application

Apply Lord 7150 adhesive using Lord-Pak hand held cartridges or automated meter/mix dispense equipment. The minimum recommended static mixer length is 20 elements.

## Curing

Lord 7150 adhesive has a work time of approximately 5 - 10 minutes and a purge time of approximately 3 minutes at 25°C (77°F). At 23°C (73°F) the adhesive develops 50 psi of strength in approximately 2 - 3 hours. This strength will be achieved much faster when cured at elevated temperatures. Full properties can be achieved in 18 - 24 hours at room temperature. Elevated temperatures will allow for shorter cure time.

## Clean up

Remove adhesive squeeze-out with a dry knife blade or similar device when the adhesive begins to harden. Take care to avoid disrupting the bond line.

## 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 bulletin 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 Service Department.

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For information, contact Bergdahl Associates, Inc.  
775-323-7542, FAX: 775-323-7595  
2990 Sutro Street  
Reno, Nevada 89512-1616

The logo for LORD Corporation, featuring the word "LORD" in a bold, black, sans-serif font. The letter "O" is stylized with a white outline and a black center, giving it a three-dimensional appearance.