



# 710

## Black, Equal-Mix, Urethane Adhesive

### Description

Lord® 710 adhesive is a two-part high strength black urethane adhesive used to bond cloth, paper, plastics, foams, rubber and painted metal. Lord 710 adhesive can be either room temperature cured or heat cured for faster processing.

### Features and Benefits

**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 the 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 710 Adhesive

	Lord 710A	Lord 710B
Appearance	Off-White	Black
Viscosity, cP @ 22°C (72°F)	70,000-250,000 HAT T-Bar C	15,000-30,000 HAT T-Bar B
Density		
kg/l	1.43	1.22
lb/gal	11.9	10.2
Flash Point (Closed Cup)	>93°C(>200°F)	>93°C(>200°F)
Mix Ratio		
by volume	1	1
Shelf Life	6 months from date of shipment, in original unopened container at 21°C - 27°C (70°F - 80°F).	

\*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. Prime or grit blast and solvent wash metal surfaces. Follow by priming for optimum bond performance.

## Mixing

This adhesive is designed for use with Lord-Pak™ hand held cartridges or automated meter/mix/dispense equipment. The minimum recommended static mixer length is 24 elements long. Purge time is four to five minutes at 24°C (75°F).

## Application and Curing

Lord 710 adhesive has a working time of about 7 minutes at 24°C (75°F). Handling strength will develop in approximately one hour at room temperature, 8-10 minutes at 60°C (140°F) and 3 minutes at 93°C (200°F). Full strength is achieved in approximately twice the cure time.

## 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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The logo for LORD Corporation, featuring the word "LORD" in a bold, sans-serif font. The letter "O" is stylized with a circular cutout in the center.