

LORD® 7610EZ Sealant/Adhesive

Description

LORD® 7610EZ sealant/adhesive is a single-component, moisture-cure urethane adhesive offering excellent adhesion to various plastics, wood, fabrics and metals, especially precoated metals.

Features and Benefits

Chemically Resistant – solvent resistant when cured. Painting and most cleaning processes do not affect bond strength.

Convenient – requires no mixing; provides working time of 25-35 minutes; requires no ovens or other heat sources for curing.

Temperature Resistant – can be applied at temperatures from 40-194°F (4.4-90°C), up to 248°F (120°C) for short intervals.

Application

Surface Preparation – Clean and dry surfaces prior to adhesive application. Surfaces should be free of grease, dirt and other contaminants. Some surfaces may require abrading for optimum performance.

Applying – Using a handheld cartridge, apply LORD 7610EZ adhesive to substrate and mate the parts within the working time of the adhesive and at temperature between 41-95°F (5-35°C). Do not allow the adhesive to dry tack-free before mating parts.

Curing – Handling strength is achieved within 6-12 hours depending on bondline thickness and substrate being bonded. Complete cure will take 1-5 days at 70-90°F (21-32°C) and 50-80% RH.

Cleanup – Use isopropyl alcohol (IPA) to clean up adhesive. Once cured, any remaining adhesive can be removed mechanically.

Shelf Life/Storage

Shelf life is nine months from date of shipment when stored in a well ventilated area at 60-90°F (16-32°C) in original, unopened container. Once cartridge has been opened, leave the mixing tip on to act as a seal against moisture.

Typical Properties*

Appearance	White Paste
Viscosity, cP Brookfield LVT	Pasty, spreadable with blade or putty knife
Density ASTM D 1475	
lb/gal	10
(kg/m ³)	(1198)
Flash Point (Seta), °F (°C)	132 (56)

*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.

Typical Cured Properties

Tensile Strength at Break, psi (MPa) ASTM D412	288 (1.99)
Elongation, % ASTM D412	450
Tear Strength, pli (N/mm) ASTM D624	50 (8.76)

Bond Performance

Shear Strength, psi (MPa)	@ 48 hours Cure	Failure Mode
Grit Blasted CRS	330 (2.28)	A
Grit Blasted Aluminum	380 (2.62)	C
Scuffed FRP	240 (1.65)	C
Scuffed SMC	225 (1.55)	C
E-coated Steel, as received	370 (2.55)	C
Marine Grade Plywood	185 (1.28)	C
Solvent-wiped Glass	160 (1.10)	SB/C
Polycarbonate	200 (1.38)	A/C
ABS	215 (1.48)	A/C

Failure Mode Definition	Abbreviation
Adhesive Failure	A
Cohesive Failure	C
Stock Break	SB

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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