

LORD® 7555 Urethane Adhesive/Sealant

Description

LORD® 7555 adhesive/sealant is an equal-mix, two-component bright white urethane adhesive/sealant system used to bond and seal a variety of plastics and prepared metals.

Features and Benefits

Non-Sag – full-bodied urethane formula holds bead pattern on horizontal surfaces, allowing for greater processing flexibility; non-slumping.

Fast Cure – LORD 7555-A/7555-C adhesive/sealant develops handling strength within 60 minutes, ideal for smaller bonding and sealing applications.

Immediate Paintability – offers immediate paint time, improving throughput.

Extended Work Time – LORD 7555-A/7555-E adhesive/sealant offers longer working time, allowing for use on larger projects where more time is required.

Non-Flammable – does not require explosion-proof equipment.

Environmentally Recommended – no VOC content; does not contain ozone depleting chemicals.

Environmentally/UV Resistant – resists weathering, humidity and salt spray; bright white color will not yellow.; UV resistant

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

Application

Surface Preparation – Surfaces should be free of grease, dirt and other contaminants. For plastics, clean the surface with a dry rag wipe or a rag dampened with solvent. For metals, grit blast and solvent wash the surface, then prime for optimum bond performance.

Mixing – Mix LORD 7555-A resin with the appropriate curative at a 1:1 ratio, by volume. Handheld cartridges will automatically dispense the correct volumetric ratio of each component.

Applying – Apply adhesive/sealant using handheld cartridges. Assemble parts within working time of the adhesive/sealant.

Curing – LORD 7555-A/C adhesive/sealant will cure to full strength in 24 hours at room temperature, 77°F (25°C), or in 45 minutes at 140°F (60°C).

LORD 7555-A/E adhesive/sealant will cure to full strength in 48 hours at room temperature, 77°F (25°C), or in 45 minutes at 140°F (60°C).

Typical Properties*

	7555-A Resin	7555-C Curative	7555-E Curative
Appearance	Translucent Paste	White Paste	White Paste
Viscosity, cP @ 77°F (25°C)	40,000-160,000	130,000-230,000	130,000-230,000
Density			
lb/gal	9.64-10.04	9.95-10.25	9.95-10.25
(kg/m ³)	(1155-1203)	(1192-1228)	(1192-1228)
Flash Point (Closed Cup), °F (°C)	>200 (>93)	>200 (>93)	>200 (>93)

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

LORD TECHNICAL DATA

Cleanup – Clean equipment and tools prior to the adhesive cure with organic solvents such as acetone or methyl ethyl ketone (MEK). Do not use alcohol. Once adhesive is cured, heat the adhesive to 300°F (149°C) or above to soften the adhesive. This allows the parts to be separated and the adhesive to be more easily removed. Some success may be achieved with commercial adhesive strippers.

Shelf Life/Storage

Shelf life of each component is six months when stored in a clean, dry environment at 50-80°F (10-27°C) in original, unopened container.

After opening, protect adhesive/sealant from excessive exposure to moisture by replacing protective cap on the cartridge.

Cautionary Information

Before using this or any LORD product, refer to the Safety Data Sheet (SDS) 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*

	7555-A/C	7555-A/E
Elongation, %	166	166

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

Typical Properties** of Resin Mixed with Curative

	7555-A/C	7555-A/E
Mix Ratio by Volume, Resin to Curative	1:1	1:1
Solids Content by Weight, %	100	100
Working Time, min @ 77°F (25°C)	3-5	45
Purge Time, min @ 77°F (25°C)	2-3	10-15
Time to Handling Strength, hr @ 77°F (25°C)	1	5-6

**Data is typical and not to be used for specification purposes. Given a 1/2" (12.5 mm) diameter bead.

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.

Information provided herein is based upon tests believed to be reliable. In as much as LORD Corporation has no control over the manner in which others may use this information, it does not guarantee the results to be obtained. In addition, LORD Corporation does not guarantee the performance of the product or the results obtained from the use of the product or this information where the product has been repackaged by any third party, including but not limited to any product end-user. Nor does the company make any express or implied warranty of merchantability or fitness for a particular purpose concerning the effects or results of such use.

LORD is a trademark of LORD Corporation or one of its subsidiaries.

LORD provides valuable expertise in adhesives and coatings, vibration and motion control, and magnetically responsive technologies. Our people work in collaboration with our customers to help them increase the value of their products. Innovative and responsive in an ever-changing marketplace, we are focused on providing solutions for our customers worldwide.

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

For a listing of our worldwide locations, visit LORD.com.

