

LORD® 7555 URETHANE ADHESIVE/SEALANT

Technical Data Sheet

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/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/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.

1. Load the cartridge into the applicator gun and remove the end caps.
2. Level the plungers by expelling a small amount of material to ensure both sides are level.
3. Attach mixing tip and expel a mixer's length of adhesive/sealant.
4. Apply adhesive/sealant to substrate and assemble the parts within the working time of the adhesive/sealant. Clamp in position until adhesive reaches handling strength.

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 (kg/m ³)	9.64 - 10.04 (1155 - 1203)	9.95 - 10.25 (1192 - 1228)	9.95 - 10.25 (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.

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 Parker 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, minutes @ 77°F (25°C)	3-5	45
Purge Time, minutes @ 77°F (25°C)	2-3	10-15
Time to Handling Strength, hours @ 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.

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