



TECHNICAL DATA SHEET



**SPRAY ADHESIVE
 PROFESSIONAL
 PERFORMANCE 300**

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Item #	Package	Size
1629134	Spray Can	13.5 oz

DESCRIPTION

Loctite® Spray Adhesive Professional Performance 300 is a premium quality formulation that creates high strength and temperature-resistant permanent bonds. It dries clear and resists yellowing. Suitable for light and demanding applications and can be used indoors and outdoors. Ideal where support is not possible.

RECOMMENDED FOR:

Decorative laminate/trim work, marine applications, upholstery work, van/motor home conversions, kick plates, signage, wood, metal, glass, carpet and plastics (polypropylene, acrylics, PVC and more). Loctite® Spray Adhesive Professional Performance can also be used to strengthen adhesive bonds for building weatherization systems (house wraps and flashing tapes) in cold weather applications.

NOT RECOMMENDED FOR:

- Unsupported vinyl fabric
- Polystyrene foam
- Certain plastics and elastomeric substrates can exhibit bond failure due to plasticizer migration (such as flexible PVC).
- Combinations of high humidity and high temperature can promote bond failure.
- Repairing or installing car headliner fabric.
- Exposure to sunlight or UV

FEATURES & BENEFITS:

Feature	Benefits
High temperature resistant.....	Can be used outdoors
Dries clear	Invisible bond
Can apply multiple coats.....	Increases bond strength
Does not bubble.....	No reworking

DIRECTIONS

Tools Typically Required

Kraft paper or other material to protect surrounding area.

Safety Precautions:

Well-ventilated area, wash hands after use.

Preparation:

For best performance, the adhesive and materials should be between 56°F (13°C) and 95°F (35°C). Shake can well before using (10-12 times). Surfaces must be clean, dry and free of foreign materials. Protect finished surfaces. Pre-fit all materials. Testing of substrates for compatibility is recommended. Repositioning is not possible. Turn spray tip so that the black dot is aligned with the nozzle.

Application:

Hold can in a vertical position. Point valve towards surface and spray from a distance of 8" to 10" (20 to 25 cm). Keep the can moving to create an even coat and avoid build-up on the surface. Start and stop the spray just off the work to prevent runs and sags. Apply an even coat to both surfaces to be bonded and allow to dry 2 to 5 minutes between coats. Apply maximum pressure over entire surface. Adhesive loses tack after approximately 10 minutes. Recoat if time exceeded. Porous surfaces will require more than one coat.

As an adhesive primer for building weatherization systems (house wraps and flashing tapes): The adhesive can be stored during cold weather application for up to 30 minutes at 0°F(-18°C) before spraying. Apply one coat of the adhesive to one surface (i.e. OSB or house wrap) and immediately apply the adhesive surface of the flashing tape to the primed surface after approximately 10 seconds and apply pressure.

Clean-up:

After use, invert spray can and spray for approximately 2 seconds (or until spray is free of adhesive) to clear valve and spray tip. Clean spray tip with turpentine or mineral spirits. Note: When using solvents for cleanup, use proper precautionary measure.

STORAGE AND DISPOSAL

For maximum performance and shelf life, the spray adhesive can should be stored between 56°F (13°C) and 95°F (35°C) and away from direct sunlight. Do not store at temperatures above 120°F (50°C). Use an approved hazardous waste facility for disposal.

LABEL PRECAUTIONS

Contains Acetone, Cyclohexane, Naphtha, Methyl Acetate, Propane. Do not use near heat, sparks, open flames or sources of static discharge. Do not puncture, incinerate or store at temperatures above 120°F. Store away from direct sunlight. Use in a well ventilated area. Avoid breathing spray, mist or vapor. Overexposure to vapors may cause irritation of the nose, throat and cause symptoms of intoxication such as dizziness, nausea, headache or indigestion. Repeated or chronic overexposure may cause nervous system, liver or kidney damage. Can cause nerve damage to arms and legs; effects may be permanent. Avoid contact with eyes or skin. Use gloves for prolonged contact. **FIRST AID:** In case of eye contact, flush with water for at least 15 minutes and get medical attention. For skin contact, wash thoroughly with soap and water. Get medical attention if irritation persists. If inhaled, remove to fresh air. Apply artificial respiration if needed. **KEEP OUT OF REACH OF CHILDREN.**

Refer to the Material Safety Data Sheet (MSDS) for further information

DISCLAIMER

The information and recommendations contained herein are based on our research and are believed to be accurate, but no warranty, express or implied, is made or should be inferred. Purchasers should test the products to determine acceptable quality and suitability for their own intended use. Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute a permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

TECHNICAL DATA

Typical Uncured Physical Properties:	Typical Application Properties
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<u>Appearance:</u>	Off-white liquid	<u>Application Temperature:</u>	
<u>Base:</u>	Synthetic Rubber	Contact bonding	For best performance, the adhesive and materials should be between 56°F (13°C) and 95°F (35°C).
<u>VOC Content:</u>	54.80% by weight	As a primer / adhesion promoter for building weatherization systems (house wraps and flashing tapes)	The adhesive can be stored and applied for up to 30 minutes at 0°F (-18°C) prior to applying.
<u>Specific Gravity:</u>	0.83 – 0.84	<u>Open Time:</u>	10 minutes
<u>Shelf Life:</u>	Minimum of 12 months (unopened)	<u>Odor:</u>	Solvent (use in a well-ventilated area)
<u>Lot Code Explanation:</u>	For example: 10 285 A11J1		
(Stamped on bottom of aerosol can)	10 = Last two digits of year of manufacture (10 = 2010)		
	285 = Day of manufacture based on 365 days per year (285 = 285 th day of year = Oct. 12 th)		
	Therefore, the date of manufacture = October 12 th , 2010		

Typical Cured Performance Properties

Tensile Lap Shear Strength:
(1 coat, 2 minute open time, 24 hr cure)

Pine	88 psi
Aluminum	59 psi
PVC	78 psi
Polypropylene	74 psi
Acrylic	127 psi
ABS	74 psi

Tensile Lap Shear Strength:
(2 coats, 2 minute open time, 24 hr cure)

Pine	108 psi
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180° Canvas Peel Strength:
(2 coats to canvas, 1 coat to other substrate, 2 minutes open time, 7 day cure)

Aluminum	3.6 lb/in width peel
PVC – Rigid	3.5 lb/in width peel
ABS	3.9 lb/in width peel
Acrylic	3.9 lb/in width peel
Polycarbonate	4.2 lb/in width peel

T-Peel Strength: Felt to Felt:

(2 coats, 2 minutes open time, 7 days dry)	8.0 lb/in width peel (substrate failure)
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Climbing Drum Peel Strength (ASTM D1995)

(Aluminum to aluminum, 1 coat to each surface, 10 minutes open time, 24 hour cure @ 73°F (23°C))	5 lb/in width peel
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Specifications

ASTM E84: sprayed on inert substrate (fiber cement Board) Flame Spread Index: 5
Smoke Development Index: 0

Adhesive Primer / Promoter for flashing tapes

ASTM D3330 Standard Test Method for Peel Adhesion of
pressure-Sensitive Tape Method F at room temperature

Flashing to vinyl, aluminum	Approx 7.3 lb/inch
OSB	Approximately 10.7 lb/inch
Exterior gypsum	Approximately 9.5 lb/inch

AAMA 713-08 Voluntary Test method to Determine Chemical
Compatibility of Sealants and Self-Adhering Flexible Flashings No drain down or incompatibility after two weeks with building wrap,
polyurethane and polystyrene foam

ASTM D3273 Fungal Resistance Test Adhesive did not support fungal growth

ASTM D5893 (ASTM C679): Tack Free Time

@ 25°F	5 minutes
@ 70°F	1 minute