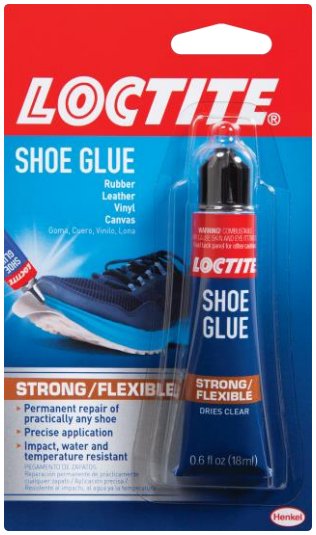
TECHNICAL DATA SHEET



Shoe Glue

Description: Loctite® Shoe Glue contains a revolutionary Flextec® formulation that bonds multi-materials when projects or repairs require higher viscosity, tremendous bond strength, and resistance to extreme conditions. It is a versatile, gap-filling adhesive that bonds, seals and repairs many types of materials. It is ideal for bonds where constant flexing is a problem and has excellent adhesion and high initial grab. Loctite Shoe Glue dries clear and creates a flexible and durable bond which has excellent resistance to vibration, impact, moisture, and extreme temperatures, offering long reliability anywhere it is used.

Available As:

Item #	Size	Package
2320563	0.67 fl. oz. (20g)	Carded Tube

Features & Benefits:

- Gap-Filling
- Impact, water, and temperature resistant
- Flexible Bond and Precise Grip
- Extreme Temperature Resistance: -58°F to 248°F

Recommended For:

Loctite® Shoe Glue is ideal for shoe repairs and will bond to many different types of materials, such as, leather, vinyl, canvas, textiles, foam, reinforced polyester, and many rubbers.

Limitations:

- Not for use on polyethylene (PE), polypropylene (PP), polytetrafluoroethylene (PTFE)
- Not suitable for applications with constant water immersion
- Not suitable for applications requiring temperatures below -58°F (-50°C) and above 248°F (120°C)
- Not recommended for bonding two non-porous surfaces, such as, metal to metal
- Adhesive may yellow over time

TECHNICAL DATA

Typical Uncured Physical Properties:

Color:	Transparent and Colorless	
Appearance:	Non-slumping paste	
Base:	Silane moisture-curing polymer	
Odor:	Minimal	
Specific Gravity:	1.17	
Flash Point:	154.4 – 161.6°F (68-72°C)	
Viscosity:	150,000 to 250,000 cps	
VOC Content:	14.46% by weight	CARB
	131.6 g/l	SCAQMD rule 1168
Shelf Life:	12 months from date of manufacture (unopened)	

TECHNICAL DATA

	Lot Code Explanation:	**YYDDD**
	Printed on crimped end of tube	**YY=** Last two digits of year of manufacture **DDD=** Day of manufacture based on 365 days in a year Example: 5061 = 61st day of 2015 = March 2, 2015
Typical Application Properties:	Application Temperature:	Apply between 41°F (5°C) to 104°F (40°C)
	Open Time:	3-5 minutes*
	Handling Time:	Leave undisturbed for at least 24-48 hours For best results, allow full bond strength to develop overnight before handling
	Cure Time:	Approximately 24-48 hours* (24 hours for every 2mm for gap-filling) *Times are dependent on temperature, humidity, porosity of surface bonded and amount of adhesive used
Typical Cured Performance Properties:	Color:	Clear and Colorless
	Cured Form:	Non-flammable, flexible solid
	Service Temperature:	-58°F (-50°C) to 248°F (120°C)
	Water Resistant:	Yes
	Paintable:	Yes
	Gap-Filling:	Up to 5 mm

DIRECTIONS:

Safety Precautions:
Well-ventilated area, gloves.

Preparation:
Use between 41°F (5°C) and 104°F (40°C). Protect work area. Surfaces must be clean and free of grease, dust and other contaminants. For improved adhesion, roughen very smooth surfaces (such as hard plastics or metal) prior to cleaning. Remove cap.

Application:
Apply thin layer of adhesive to one surface. Immediately position and press parts firmly together within 5 minutes. Use rubber bands, tape, or clamps to hold both surfaces of the shoe to be bonded together. Full bond strength is achieved in 24-48 hours depending on temperature, humidity, and thickness of glue. Cure times will increase with lower temperatures and humidity.

For Gap-Filling: Apply in a thick layer to fill gaps up to 5mm max. Fix or clamp the items together for 1-3 hours and do not touch or move them. In 24 hours, 70% of full adhesion and bond strength is achieved. Cure time is 24 hours for every 2mm of adhesive.

To Get High Initial Grip: Apply on both surfaces in thin and even layers. Leave for 3-5 minutes. Use as a contact cement. After, Shoe Glue has become tacky, bring the items together immediately and press firmly. Fixation is not necessary in many cases. Note that final strengths decrease when used as a contact glue.

Clean-up:
Clean tools and adhesive residue immediately with mineral spirits. Cured adhesive may be carefully cut away using a sharp-edged tool.

STORAGE AND DISPOSAL

Not damaged by freezing. Store tightly closed at room temperature. Avoid temperatures below 41°F (5°C) and above 122°F (50°C). To dispose of any unwanted product, use an approved hazardous waste facility for disposal.

LABEL PRECAUTIONS

WARNING! COMBUSTIBLE. MAY CAUSE SKIN AND EYE IRRITATION. Contains trimethoxyvinylsilane and amines. May be harmful if directly inhaled or swallowed. Prolonged or repeated skin contact may cause sensitization. Persons with previous allergic reactions to amines should avoid contact with product. Avoid contact with eye, skin, and clothing. Prolonged or repeated skin contact may cause dermatitis. Wash hands after using. Wear gloves when applying product. DO NOT TAKE INTERNALLY. Methanol is released during application and cure, which may cause dizziness, headache, or nausea. FIRST AID: For eye contact flush with water for 15 minutes. Call a physician if irritation develops and persists. For skin contact, wash affected area with soap and water immediately. If affected by inhalation, remove to fresh air and get medical attention. If ingested, do not induce vomiting. Call a physician or Poison Control Center immediately. KEEP OUT OF REACH OF CHILDREN.

WARNING: Reproductive Harm – www.P65Warnings.ca.gov.

Refer to Safety Data Sheet (SDS) 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. Henkel recommends purchasers/users should test the products to determine acceptable quality and suitability for the intended use. All adhesive/sealant applications should be tested under simulated or actual end use conditions to ensure the adhesive/sealant meets or exceeds all required project specifications. Since assembly conditions may be critical to adhesive/sealant performance, it is also recommended that testing be performed on specimens assembled under simulated or actual production conditions. 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.

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For over 50 years, Loctite Brand adhesives and sealants have taken on the toughest jobs. Used in race cars, airplanes, and even in the space-shuttle, Loctite provides solutions for the most demanding industrial, professional and consumer applications. Loctite gives you not the specialization, power and performance to not only get your job done, but to get it done right.

1-800-624-7767 – Mon-Fri - 9:00a – 4:00p ET
www.loctiteproducts.com

Loctite Brand is part of the Henkel family of brands. Founded in 1876, Henkel is a global leader in the consumer and industrial businesses. Henkel operates worldwide with leading brands and technologies in three business areas: Laundry & Home Care, Beauty Care and Adhesive Technologies.

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