



Go2[®] Gel

Description: Loctite Go2 Gel 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 almost all materials. It is ideal for bonds subject to harsh or extreme conditions or for situations where constant flexing is a problem. It can be used indoors and outdoors, has excellent adhesion and high initial grab that cures quickly. Loctite Go2 Gel dries clear and creates a flexible and durable bond which is dishwasher safe and has excellent resistance to vibration, impact, moisture, UV and extreme temperatures, offering long reliability anywhere it is used.

Available As:

Item #	Size	Package
1832982	0.60 fl. oz. (18 ml)	Carded Bottle
1872130		

Features & Benefits:

- Extra Strong for All Conditions
- Gap-Filling
- Shock Resistant
- Flexible Bond and Precise Grip
- Extreme Temperature Resistance: -58°F to 248°F

Recommended For:

Loctite Go2 Gel is ideal for DIY repairs and modeling work in and around the house. It is compatible with many porous and non-porous materials such as metals¹ (aluminum, stainless steel, steel, copper, brass, bronze, zinc, etc.), glass, concrete, ceramic, tiles, natural stones, wood, cork, paper, cardboard, textiles, leather, varnished surfaces¹, chipboard, MDF, fiberglass reinforced polyester, rigid PVC, polycarbonate, sanded ABS, and polystyrene foam/Styrofoam[™]. ¹See limitations below.

¹ See limitations below.

For Best Results:

- Not for use on polyethylene (PE), polypropylene (PP), polytetrafluoroethylene (PTFE), rubber
- Before application, carry out tests to ensure the compatibility with non-ferrous metals such as aluminum, copper, bronze and brass as well as with different coatings such as paints, varnishes and powder coatings. Variations in composition may affect adhesion.
- Not suitable for applications with prolonged water immersion
- Not suitable for use in aquariums or potable water systems
- Not suitable for applications requiring solvent resistance
- Not suitable for applications requiring temperatures below -58°F (-50°C) and above 248°F (120°C)
- Not suitable for archival applications
- Not recommended for bonding two non-porous surfaces. If bonding two non-porous surfaces, surfaces can be wetted using a damp cloth, taking care to avoid wetness, pooling water or drop formation, to optimize cure time.



TECHNICAL DATA SHEET

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:	128 - 131°F (53 - 55°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)	
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 = 61 st 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 2 hours For best results, allow full bond strength to develop overnight before handling	
Cure Time:	Approximately 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	
Tensile Shear Strength:	7 day cure at 73°F (23°C)	
<u>Plastic to Maple</u>		
ABS to Maple:	270 psi (1.86 N/mm ²)	
Acrylic (unsanded) to Maple:	284 psi (1.96 N/mm ²)	
PVC to Maple:	578 psi (3.99 N/mm ²)	
Polycarbonate to Maple:	457 psi (3.15 N/mm ²)	
Polystyrene to Maple:	266 psi (1.83 N/mm ²)	
<u>Metal (dampened) to Metal</u>		
Aluminum to Aluminum:	360 psi (2.48 N/mm ²)	
CRS to CRS:	373 psi (2.57 N/mm ²)	
SS to SS:	323 psi (2.23 N/mm ²)	
CRS = Cold Rolled Steel SS = Stainless Steel		

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, abrade very smooth surfaces (such as metal) prior to cleaning. Remove cap.



TECHNICAL DATA SHEET

Application:

Apply thin layer of adhesive to one surface. Immediately position and press parts firmly together within 5 minutes. For difficult bonds, clamp parts or use tape to hold pieces together. Do not move or use parts for at least 2 hours. Full bond strength is achieved in 24 hours. Cure times will increase with lower temperatures and humidity and if bonding two non-porous surfaces.

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, Go2 Gel 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.

Two Non-Porous Surfaces: Bonding two non-porous surfaces can result in a slower cure time and is generally not recommended. If bonding two non-porous surfaces, surfaces can be wetted using a damp cloth, taking care to avoid wetness, pooling water or drop formation, to optimize cure time.

Clean-up:

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

Storage & 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. Keep away from heat, sparks and flames. May be harmful if directly inhaled or swallowed. Methanol is released during application and cure, which may cause dizziness, headache or nausea. Use only in well ventilated areas. Do not breathe vapors. Avoid eye and skin contact. Prolonged or repeated skin contact may cause sensitization. Persons with previous allergic reactions to amines should avoid contact with product. Wash hands after use. Wear gloves when applying product. **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. **DO NOT TAKE INTERALLY. KEEP OUT OF REACH OF CHILDREN.**

WARNING: This product contains chemicals known to the State of California to cause cancer.

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. 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.

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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



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