



GAUDON® G3 — Exterior Façade High-Movement Silicone Sealant

HIGH FLEX · WEATHERSEAL · ONE-COMPONENT NEUTRAL-CURE SILICONE



10.1 fl oz cartridge



20 fl oz sausage

TECHNICAL DATA SHEET

VERSION 2.0 · REVISED JUL 2026

REF GDN-TDS-G3-2026-07

GAUDON® G3 is a one-part, neutral-curing (alkoxy / RTV) silicone weatherproofing sealant for high-movement exterior façade and building-envelope joints. It cures at ambient temperature by reaction with atmospheric moisture to form a durable, flexible silicone-rubber seal with strong unprimed adhesion to many substrates and long-term resistance to sun, rain, snow, ozone, and temperature extremes — ideal for general glazing and above-grade weathersealing in curtain walls, panels, and façades. It stays flexible under thermal cycling and structural movement and is formulated for professional exterior work where durable weatherproofing and long service life are required.

COMPOSITION	MOVEMENT	VOC	SERVICE	COLORS
1-part neutral RTV	±50% joint movement	≤30 g/L	-40° to 300°F	5 + custom

FEATURES & BENEFITS

- ▶ Ideal for expansion, perimeter & movement joints
- ▶ ±50% joint-movement capability
- ▶ Neutral cure — non-corrosive to metals
- ▶ Strong unprimed adhesion; 95% elastic recovery
- ▶ Excellent weatherability — sun, rain, snow, ozone
- ▶ Low-VOC — SCAQMD Rule 1168 compliant
- ▶ Plasticizer-free — no staining alkane oils
- ▶ Low-modulus, non-sag — easy gunning, vertical joints

APPLICATION BASICS

Tack-free time	~1.7 h	Application temperature	40° to 100°F
Cure (full section)	7–14 days	Service range	-40° to 300°F
Extrusion rate	~900 mL/min	Cleanup (uncured)	Mineral spirits
Movement	±50% joint movement	Packaging	10.1 oz (12) · 20 oz sausage (20)

Adheres to: concrete, masonry, brick, stone, metal, aluminum, glass, ceramic, and most common façade, cladding, and perimeter-joint substrates (adhesion verified on glass and anodized aluminum). Some porous or coated surfaces may require priming — test adhesion before full-scale use.

Colors: Black, White, Gray, Anodized Clear, Dark Bronze; custom colors available to match most substrates.

WHERE TO USE

- Exterior façade & expansion joints
- Curtain-wall & door perimeter seals
- Metal panel & cladding joints
- Concrete, masonry & stone joints
- Solar-panel frame sealing
- EIFS & building-envelope sealing

WHERE NOT TO USE

- × Structural glazing
- × Below-grade / immersed joints
- × Application on surfaces below 40°F or above 100°F
- × Totally confined joints
- × Oil / plasticizer-bleeding substrates
- × Wet, frozen or food-contact surfaces

COMPLIANCE & SPECIFICATIONS

- ✓ Meets **GB/T 14683-2017** SR-I-Gw-50LM — third-party type-tested (CMA / CNAS / ILAC-MRA)
- ✓ **Target ASTM C920 classification:** Type S, Grade NS, Class 50, Use NT, M, G, A
- ✓ Complies with **SCAQMD Rule 1168** VOC limits
- ✓ **TSCA** compliant
- ✓ Manufactured in an **ISO 9001:2015** facility

TECHNICAL PROPERTIES

UNCURED — AS SUPPLIED		
Property	Value	Method / Source
Cure system	Neutral, moisture-cure (alkoxy)	Manufacturer data
Base	100% silicone (one-part RTV)	Manufacturer data
Appearance	Smooth, uniform paste; no bubbles	GB/T 14683 6.2
Sag / slump (vertical)	0 mm — non-sag	GB/T 14683 6.4
Tack-free time	~1.7 h	GB/T 14683 6.5
Extrusion rate	~900 mL/min	GB/T 14683 6.6
Density	1.42 g/cm ³	GB/T 13477.2
VOC content	≤30 g/L · Rule 1168 compliant	SCAQMD 1168

CURED — PERFORMANCE		
Property	Value	Method / Source
Movement capability	±50% (Class 50)	GB/T 14683
Tensile modulus (23°C / -20°C)	0.4 / 0.5 MPa — low-modulus	GB/T 14683 6.9
Elastic recovery	95%	GB/T 14683 6.8
Adhesion (sustained extension)	Pass — no failure	GB/T 14683 6.10
Adhesion after water immersion	Pass — no failure	GB/T 14683 6.11
Adhesion after cold-pull / heat-compression	Pass — no failure	GB/T 13477.13
Adhesion after water + UV exposure	Pass — no failure	GB/T 14683 6.13
Heat-aging mass loss	1.4%	GB/T 13477.19
Alkane plasticizer	None detected	GB/T 31851

Performance values are from independent third-party type testing to GB/T 14683-2017 (report no. 2025MF084; CMA / CNAS / ILAC-MRA accredited). GB movement Class 50 corresponds to ±50% joint movement (target ASTM C920 Class 50).

COVERAGE GUIDE (approximate, continuous bead)

Bead size (W × D)	10.1 fl oz cartridge	20 fl oz sausage
1/4" × 1/4"	~24 linear ft	~49 linear ft
3/8" × 3/8"	~11 linear ft	~22 linear ft
1/2" × 1/2"	~6 linear ft	~12 linear ft

APPLICATION INSTRUCTIONS

1. Make sure surfaces are clean, dry, sound, and free of dust, grease, oil, old sealant, and loose material. Do not apply to wet or frozen surfaces.
2. Set the joint with closed-cell backer rod or bond-breaker tape where needed (keep a 2:1 width-to-depth ratio; min 1/4", max 1"). Primer is generally not required on non-porous surfaces; test porous or coated surfaces first.
3. Cut the nozzle at a 45° angle to the bead size you want and puncture the inner seal. For sausage packs, use a suitable sausage gun and nozzle.
4. Apply a continuous bead with steady, even pressure, making full contact with both sides of the joint.
5. Tool the bead right away to firm up contact, fill the joint, and leave a neat finish.
6. Allow the sealant to develop sufficient cure before exposing to cleaning, abrasion, prolonged water contact, or heavy service conditions.

STORAGE, SAFETY & WARRANTY

Storage: store unopened in a cool, dry, well-ventilated area below 80°F (27°C), out of direct sunlight. Shelf life 12 months from manufacture in the original unopened package. **Safety:** review the current SDS before use; use in well-ventilated areas, avoid eye/skin contact, wear gloves, keep out of reach of children. **Limited warranty:** manufacturer warrants performance, used as directed, for one (1) year from date of purchase; limited to replacement cost of product only. Manufacturer and seller are not liable for incidental or consequential damages.

DISCLAIMER: The data reported herein are based on independent laboratory testing and information from the product's manufacturing source and are believed to be reliable and accurate as of the date of issue. No warranty, express or implied, is made as to the accuracy of such data or the results to be obtained from their use. This information is provided for reference only and does not relieve the user of the responsibility to determine the product's suitability through independent testing. All values presented in this document are approximate and subject to change without notice. The information provided is intended as a general guide only and does not constitute a specification for all applications. Except for the limited warranty stated above, no other warranty is expressed or implied, including any warranty of fitness for a particular purpose. Because conditions and usage are beyond the manufacturer's control, neither manufacturer nor seller assumes responsibility for the use or misuse of this product. Each user is solely responsible for determining the suitability of this product for its particular use and application, including prior testing under actual jobsite conditions. No responsibility is assumed for coverage, performance, or injuries resulting from the use of this product. Liability, if any, is limited to replacement cost of product. Please refer to www.gaudon.store for the most up to date Technical Data Sheets and Safety information.