



Product Data Sheet

G 2100

G 2100 acetic silicone sealant

Description: G2100 is a versatile, single-component, moisture-curing acetic silicone sealant. It cures at room temperature when exposed to atmospheric moisture, forming a flexible and durable elastomeric seal. The product is easy to apply and provides reliable adhesion to suitable non-porous substrates.



KEY PERFORMANCE PROPERTIES

- **Single-component:** Ready-to-use formulation with no mixing required.
- **Moisture curing:** Cures at room temperature upon exposure to atmospheric moisture.
- **Acetic cure:** Releases acetic acid during the curing process.
- **Flexible elastomer:** Forms a flexible, durable elastomeric seal after curing.
- **Excellent adhesion:** Provides strong adhesion to suitable non-porous substrates, including glass, glazed ceramics, and aluminum.
- **Temperature resistance:** Suitable for application across a wide range of ambient temperatures.
- **Easy application:** Smooth and easy to apply, allowing efficient installation and finishing.

AREAS OF APPLICATION

- Sealing of glass and aluminum joints
- Glazing and window perimeter sealing
- Sealing of joints between glass and non-porous substrates
- Sealing of glazed ceramic tile joints
- General-purpose sealing in construction and building maintenance
- Sealing of sanitary and other non-porous joints where an acetic-cure silicone is suitable

METHOD OF APPLICATION

Surface Preparation.

Thoroughly clean the joint and remove all dirt, dust, grease, contaminants, loose materials, and existing sealant. Where required, clean the substrate using a suitable solvent applied to a clean, lint-free white cloth. Immediately wipe the surface with a second clean cloth to remove any remaining solvent and contaminants. Allow the substrate to dry completely before application.

Masking.

Apply masking tape to the adjacent surfaces to achieve clean and uniform joint edges and to prevent excess sealant from contaminating the surrounding area. Remove the masking tape immediately after tooling and before the sealant begins to skin.

Sealant Application.

Cut the cartridge nozzle at approximately a **45° angle** to achieve the required bead size and fit the cartridge into a suitable caulking gun. Apply the sealant continuously into the prepared joint, ensuring that the sealant makes proper contact with both sides of the joint and completely fills the required joint depth.

Do not spread or skim the sealant over the surrounding flat surface to achieve a straight or aligned finish. The sealant must remain properly confined within the prepared joint. A thin layer applied over the substrate surface may have insufficient adhesion and can subsequently debond or peel, potentially affecting the original joint sealant and the overall integrity of the joint.

Tooling.

Tool the sealant immediately after application to achieve a smooth, uniform, and properly finished joint profile. Do not use soap, water, or other unsuitable tooling aids. Ensure that the sealant remains undisturbed after skin formation and protect the joint from movement or damage during the initial curing period.

Curing

Allow the sealant to cure naturally under ambient conditions. Curing may take longer under conditions of low temperature, low relative humidity, or limited air circulation. Protect the freshly applied sealant from disturbance until adequate curing has occurred.

SAFETY DURING INSTALLATION

- Ensure adequate ventilation during application and curing, particularly in enclosed or poorly ventilated areas.



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- Wear suitable **protective gloves, safety glasses, and appropriate work clothing** during handling and application.
- Avoid contact with eyes and prolonged or repeated contact with skin.
- Do not inhale vapours directly. Maintain adequate air circulation throughout the application and curing process.
- Keep the product away from children, food, and drink during use.
- Do not eat, drink, or smoke while handling or applying the product.
- Protect adjacent surfaces and finished areas from accidental sealant contamination.
- Follow the recommended application procedure and do not disturb the sealant during the initial curing period.
- Clean tools and equipment immediately after use in accordance with the product recommendations.
- Dispose of empty cartridges, contaminated materials, and waste in accordance with local regulations.
- Refer to the **Safety Data Sheet (SDS)** for complete information regarding safe handling, storage, personal protection, and disposal.

QUALITY & CARE

All products originating from **ANCHOR ALLIED FACTORY LLC** Sharjah, UAE. facility is manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 22716:2007, ISO 9001:2015, and ISO 14001, ISO 45001, ISO 50001

COVERAGE RATE

Note: Coverage values are theoretical and calculated for a round bead with 100% material utilization. Actual coverage may vary depending on bead size & joint dimensions, application technique, surface conditions, and wastage during application.

JOINT / GAP CONFIGURATIONS:

Installed in line with ASTM C1193 Standard Guide for use of Joint sealants. The approximate linear meter sealant consumption per liter can be estimated from the following formula:

$$\frac{W \times D}{1000}$$

= Sealant Consumption per linear meter per liter.

Joint Size in mm	Liters / meter Run	1 Liter/ meter run
12 x 12	0.144	6.94
20 x 15	0.300	3.33

PACKAGING / SUPPLYING

G 2100 available in 280 gram Plastic Cartridge
24 cartridge in a carton

HEALTH & SAFETY

Protective clothing such as gloves and goggles should be worn while applying **G2100** In case the material splashes to the skin or eyes wash the same with fresh water immediately.

In critical cases seek medical assistance.

STORAGE, SHELF LIFE & HANDLING

G 2100 is temperature-sensitive and should be stored in a cool, dry, and covered area, protected from direct sunlight, heat sources, and excessive ambient temperatures. Prolonged exposure to elevated temperatures, including storage in shaded but excessively hot areas, may accelerate product ageing, reduce the stated shelf life, and adversely affect application and performance characteristics.

In hot climatic conditions, **G2100** must be stored at temperatures below 30°C. Avoid prolonged exposure to extreme temperature fluctuations during storage and transportation.

When stored in its original, unopened packaging under the recommended temperature conditions, the product has a shelf life of up to 12 months from the date of manufacture.

Stock should be managed and consumed on a **First-In, First-Out (FIFO)** basis to ensure optimum shelf life and consistent product performance.

CAULKING: For gap filling, or sealing applications where joint movement is not expected, the recommended bead- size / consumption chart may be followed to determine the appropriate bead dimension and approximate coverage.

Bead Size (mm)	Approximate Consumption (ml/m)	Coverage Liter (Running Meter)
3 mm	7.1	140.85 m
4 mm	12.6	79.37 m
5 mm	19.6	51.20 m
6 mm	28.3	35.33 m
7 mm	38.5	25.97 m
8 mm	50.3	19.88 m
9 mm	63.6	15.72 m
10 mm	78.5	12.74 m
11 mm	95.0	10.53 m
12 mm	113.1	8.84 m



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CERTIFICATIONS



TECHNICAL SPECIFICATIONS

PROPERTIES	UNIT	SPECIFICATION
Color	Clear, White, Black, Cream, Grey, Beige, Brown & Others	—
Consistency	Thixotropic (Non Sag)	—
Curing Mechanism	Acetic	—
Density, g/m ³	0.93 ±0.02	ASTM D 1475
Skin OverTime	10 min (RT)	ASTM C 920 -18 / ASTM C 679 - 15
Curing rate	> 2 mm/day (23°C and 50% R.H)	—
Hardness Shore A	15 - 21	ASTM D 2240
Elastic Recovery	≥ 90%	ISO 7389
Adhesion & Cohesion	No, Cracks, Loss of Adhesion	ASTMC 920 -18/ASTM C 719 -14
Elongation at Break	≥ 600 %	ASTM D 412
E 100 Modulus	≥0.30 N/mm ²	ASTM D 412
Tensile Strength	>1.00 N/mm ²	ASTM D 412

Properties listed are based on laboratory-controlled tests, all values given are subject to 5-10% tolerance.

Regional Compliance Notice

Please note that regulatory requirements may vary from one region to another. As a result, product information and recommended applications may differ between countries. For accurate and up-to-date details on product specifications and approved uses, and for any technical guidance, please contact Technical Department ANCHOR ALLIED FACTORY L.L.C. SHARJAH, UAE.

Disclaimer

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