

PRODUCT DATA SHEET



8150® 100% Silicone High Performance Neutral Cure Sealant

8150 Sealant is a neutral cure, high performance, high modulus, one component silicone with excellent adhesion to both porous and non-porous surfaces. It provides joint movement capability of $\pm 25\%$ with excellent weatherability. Ideal for a variety of construction and industrial applications.

- 100% Silicone
- Neutral Cure, high modulus
- Versatile, high performance
- Excellent adhesion to porous and non-porous surfaces
- Excellent weatherability
- High movement capability of $\pm 25\%$

Basic Uses:

- Galvanizing joints
- Building, glazing, and industrial sealing applications
- Perimeter sealing around many types of building frames
- Sealing construction joints in brickwork, concrete, and stone subject to movement up to $\pm 25\%$
- Sealing between pre-cast concrete panels

Adheres To:

Aluminum, glass, wood, metal, concrete, and other common building substrates



Part #	Color (USA)		UPC	SCC
GC68125	Clear		0 79239 68125 0	100 79239 68125 7
GC68126	White		0 79239 68126 7	100 79239 68126 4

12 cartridges (11lbs.) per case; Case dimensions: 6.25" L x 7.75" W x 13.00" H

SILICONE TECHNOLOGY

Composition and Materials:

8150 Sealant is a neutral cure (oxime), one component, high modulus silicone component, high modulus silicone featuring a noncorrosive curing mechanism with excellent movement capabilities ($\pm 25\%$). Has exceptional unprimed adhesion to many common substrates and high resistance to ultraviolet light, ozone, and moisture. Dry tools easily to a smooth, attractive finish and has good tear resistance. The rubberlike properties are maintained throughout its lifetime.

Grade:

Gun grade consistency

Primer:

Not required on most surfaces. If primer less adhesion to a particular substrate is in question, a test application is recommended. Contact Geocel Products Group's Technical Service Department for further information.

Limitations:

- Product is not recommended for exterior, below grade use
- Product is not recommended for continuous water immersion
- Do not use in applications over tar, asphalt, or materials that bleed oils, plasticizers, or solvents
- Do not use on marble substrates
- Do not use in applications in airtight enclosures as the sealant requires atmospheric moisture to cure
- Do not use on horizontal traffic joints
- Do not use on brass, copper, or other sensitive metals as discoloration may occur
- Product may stress-craze polycarbonate materials

Installation:

Joint Design: 8150 Sealant should have a ratio of approximately twice the joint width to sealant depth. The sealant depth should be not less than $3/16"$ (4.8 mm) minimum and not greater than $1/2"$ (12.7 mm) maximum.

Surface Preparation:

Clean loose particles from surface. Surfaces must be clean, dry, and totally dust free.

Joint Backing:

Use backing material to maintain proper joint depth.

Application Standards:

Meets: CAN/CGSB-19.13-M87, Class MG-2- 25 A -L, South Coast AQMD Rule 1168 Compliant ASTM C920, Type S, Grade NS, Class 25, use NT, G, A, O. U.S. Fed Specs TT-S-001543A and TT-S00230C Type 2

Application and Tooling:

Apply with conventional caulking equipment, filling joint completely. Warm tube if temperature is below 40° F (4° C) for easier gunning. Dry tool with light pressure immediately after applying. Tooling time is 4 - 8 minutes.

Painting:

8150 Silicone Sealant is 100% silicone and is not paintable.

Cleaning:

Remove 8150 Sealant from gun and tools before it cures. This may be done by scraping and use of solvents such as MEK (lacquer thinner), xylene, Toluol, or chlorinated solvents. Cured materials may be removed by cutting with sharp tools. Observe manufacturer's precautions when using toxic or flammable solvents.

Cautions:

WARNING: Harmful or fatal if swallowed. If swallowed, call a physician immediately. May be harmful if inhaled in an enclosed space. Use only in a well-ventilated area. Avoid prolonged skin contact. **KEEP OUT OF REACH OF CHILDREN**

Availability and Cost:

Available from various lumber yards, hardware stores, home centers, construction material and industrial distributors. Cost and further technical data are available from your local Geocel Products Group representative or from our office.

Limited Warranty:

This warranty is made to you, the product purchaser who owns the property where the product is applied. This warranty is not transferable except that if a contractor purchased and applied the product to the property for you, then the warranty is transferable to you. If this product, when applied and maintained according to product application and maintenance instructions to a properly prepared surface, fails to perform, contact us at 1-800-348-7615 and upon satisfactory evidence of product failure, and with your proof of purchase, you may either receive a replacement of an equivalent quantity of product free of charge, or request a refund from the store where purchased. This warranty shall not apply to any defect, damage, or product failure resulting from improper surface preparation, structural defects, environmental damage, failure of a previous product, deterioration or defect in the underlying substrate, or improper application or maintenance of the product. Your sole remedy, and the sole liability of Geocel under this warranty is the replacement of product or refund and does not include labor or costs associated with the application or removal of any product. IN NO EVENT SHALL GEOCEL BE LIABLE FOR ANY TYPE OF INCIDENTAL, CONSEQUENTIAL, SPECIAL, EXEMPLARY, PUNITIVE, OR INDIRECT DAMAGES WHETHER OR NOT PURCHASER IS ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. ALL IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL HAVE THE SAME DURATION AS THE ABOVE EXPRESS WARRANTY. Some states do not allow limitations on how long an implied warranty lasts or limitations on incidental or consequential damages, so portions of the limitations above might not apply to you. This warranty gives you specific legal rights, and you may have other rights, which vary from state to state.

Maintenance:

No maintenance should be required. If sealant is damaged, remove the bead, thoroughly clean joint, and reseal with 8150 Sealant.

Product Cure:

1 day

Application/Service Temperatures:

Application: (-20 to 122 degrees)

Service: (-40 to 300 degrees)

Storage:

Store in a clean, dry area. Store between 4° to 32°C (40° to 90°F).

Shelf Life:

One year

Joint Size	Linear Feet
1/4" x 1/4"	24.8
1/4" x 3/8"	16.5
1/4" x 1/2"	12.4
1/2" x 3/8"	8.7
1/2" x 1/2"	6.2
3/4" x 1/2"	4.1

Typical Physical Properties		
Property	Results	Test Method
Elongation	540%	ASTM D412
Tack Free	1 hour	ASTM C679
Tensile Strength	275 psi	ASTM D412
Tear Strength	30 psi	ASTM D624
Shore A Hardness	30	ASTM C661
Adheres to:		
Aluminum	13.9 pli	ASTM C794
Glass	10.4 pli	ASTM C794
Wood	11.4 pli	ASTM C794