

8125® 100% Silicone High Performance Acetoxy Cure Sealant



1. PRODUCT NAME:

8125® 100% Silicone High Performance Acetoxy Cure Sealant

2. MANUFACTURER:

Geocel Products Group A Business Unit of The Sherwin-Williams Company ("Geocel Products Group") Cleveland, OH 44115
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3. PRODUCT DESCRIPTION:

8125® 100% Silicone High Performance Acetoxy Cure Sealant is a high modulus, one component sealant. It has excellent adhesion to non-porous surfaces and is able to withstand $\pm 25\%$ joint movement.

Product Benefits:

- 100% Silicone
- High modulus
- Excellent adhesion to non-porous surfaces
- Cured sealant is mildew resistant
- Good resistance to weathering, vibration, and moisture
- $\pm 25\%$ joint movement
- Can be used for sealing or adhering glass, wood, vinyl, metal, ceramic, and many painted surfaces
- Meets ASTM C 920, TT-S-00230C; FDA/USDA approved

Basic Uses:

- Galvanizing joints
- Weather sealing
- Top sealing in glazing
- Sealing around worktops
- Waterproofing between glass and aluminum
- General industrial uses
- Hygiene seals in refrigeration and food preparation areas

Adheres to: Glass, wood, vinyl, stainless steel, galvanized steel, ceramic, painted surfaces and many other common building substrates

Composition and Materials: 8125 Sealant is 100% Silicone.

Grade: Gun grade consistency

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

Packaging: 10.3 fl. oz. cartridge

Colors: Clear, white, black, and aluminum gray

Applicable Standards: Meets the following specifications:

- CAN/CGSB-19.13-M87, Class MG-2-25-A-L • (2) ASTM C920, Type S, Grade NS, Class 25, use NT, G, A, O. U.S. Fed Specs TT-S-001543A and TT-S-00230C Type 2.
- Certified by NSF; Agricultural Canada Approved
- After fully cured & washed, 8125 meets the requirements of FDA Regulations No 21 CFR 177.2600 subject to end use.

Limitations:

- Product is not recommended for exterior, below grade use
- Product is not recommended for glazing of insulated glass units sealed with two-part silicone secondary seals
- 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 with airtight enclosures as the sealant requires atmospheric moisture to cure
- Do not use in applications with materials that may react to acetic acid like copper, acrylic, and plastic
- Do not use on horizontal traffic joints

4. INSTALLATION:

Joint Design: Silicone sealant should have a ratio of approximately twice the joint width to depth. The sealant depth should not be less than 3/16" (4.8 mm, Minimum) and not greater than 1/2" (12.7 mm, Maximum).

Surface Preparation: Porous surfaces should be primed. Clean loose particles from surface. Surfaces must be clean, dry, and dirt free.

Width-to-Depth Recommendations

(in inches):

Width 1/4 3/8 1/2 5/8 3/4 7/8 1
Depth 3/16 3/16 1/4 3/8 3/8 3/8 1/2

Application and Tooling: Apply with conventional caulking equipment, filling joint completely. Warm tube if temperature is below 40° F for easier gunning. Dry tool with light pressure immediately after applying. Tooling time is 7 to 15 minutes. Tack free in 25 minutes.

Painting: 8125 Silicone Sealant is 100% silicone and is not paintable.

Cleaning: Remove 8125 Sealant from gun and tools before it cures. This may be done by scraping and use of regionally available solvents. Cured sealant may be removed by cutting with sharp tools. Observe manufacturer's precautions when using toxic or flammable solvents.

Storage Life: One year

Cautions: CONTAINS VOLATILE ORGANIC COMPOUNDS. VAPOR HARMFUL. Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (NIOSH approved) or leave the area. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage.

First Aid: In case of eye contact, flush thoroughly with large amounts of water for 15 minutes and get medical attention. For skin contact, wash thoroughly with soap and water. In case of respiratory difficulty, provide fresh air and call physician. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE. Contains solvents which can cause permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. DO NOT TAKE INTERNALLY. KEEP OUT OF REACH OF CHILDREN.

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.

5. 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.

6. LIMITED WARRANTY:

If when applied according to label directions this product fails to perform in accordance with its published literature, upon satisfactory evidence of product failure, and as your sole remedy, we will either replace the product at no cost or refund the original purchase price for that portion of product that fails to perform in accordance with this limited warranty. Labor or costs associated with labor are not included. THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY, WHICH ARE ALL DISCLAIMED AND/OR LIMITED IN DURATION TO THE EXTENT PERMITTED BY LAW. WE SHALL NOT BE LIABLE FOR INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES (INCLUDING LOST PROFITS) FROM ANY CAUSE WHATSOEVER AND SUCH DAMAGES ARE EXPRESSLY EXCLUDED. Some states do not allow the exclusion or limitation of incidental or consequential damages or how long an implied warranty lasts, so the above limitation or exclusion may not apply to you. This limited warranty gives you specific legal rights, and you may also have other rights which vary from state to state

7. MAINTENANCE:

No maintenance should be required. If sealant is damaged, remove the bead and reseal with 8125 Sealant.

8. TECHNICAL SERVICES:

Geocel Products Group representatives throughout the U.S. are available to provide technical assistance. Our in-house technical staff and laboratory facilities are equipped to respond to specific requests for further information.

**THEORETICAL YIELD
Per 10.3 fl. oz. Cartridge**

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

Viscosity	400,000 cps
Elongation (D412)	550%
Tensile Strength (D412)	325 psi
Shore A Hardness	25
Tack Free Time	25 minutes
Cure	1 day
Application Temperature	-20°F to 122°F (-29°C to 50°C)
Service Temperature	-60°F to 300°F (-51 to 149°C)

For additional product information, refer to the product spec sheet located at www.GeocelUSA.com and/or application testing.