



Transportation
Sealants & Adhesives

TECHNICAL
DATA

8125[®] 100% SILICONE

HIGH PERFORMANCE ACETOXY CURE SEALANT

1. PRODUCT NAME:

8125[®] 100% Silicone High Performance
Acetoxy Cure Sealant

2. MANUFACTURER:

GEOCEL, LLC
P.O. Box 398
Elkhart, IN 46515 USA
Phone: (800) 348-7615
Fax: (800) 348-7009
www.GeocelUSA.com

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
- Mildew resistant
- Can be applied in extreme temperatures
- Good resistance to weathering, vibration, and moisture
- $\pm 25\%$ joint movement
- Can be used for sealing or adhering glass, wood, vinyl, metal, ceramic, plastic, and many painted surfaces
- Meets ASTM C 920, TT-S-0023; FDA/USDA approved

Basic Uses:

- Glazing 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, metal, wood, ceramic, vinyl, and many painted surfaces

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'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).

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

Surface Preparation: Porous surfaces should be primed. Clean loose particles from surface. Surfaces must be clean, dry, and dirt free. Do not use Xylol or MEK to clean joints or to remove surface coatings unless surface can be allowed to dry before

application of sealant. If the joint is wet with solvent, the sealant will not adhere properly. Use of a dry rag or brush to remove dust, dirt, or other contaminants is recommended. Contamination from curing agents and form releases should be avoided. Contact Geocel's Technical Service Department or representative if such agents are involved.

Joint Backing: Use polyethylene backing material to maintain proper joint depth.

Elongation: 465%

Tack Free: 15 to 20 minutes

Cure: 2 days

Service Temperature:

-80° F to 400° F (-62° C to 204° C)

Application Temperature:

-35° F to 160° F (-37° C to 71° C)

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 15 minutes.

Painting: 8125 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 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.

Storage Life: One year

Warning: Avoid repeated or prolonged contact with skin or eyes, especially to cuts or breaks in the skin. Do not take internally. Irritant (during cure). Use in well-ventilated areas. KEEP OUT OF REACH OF CHILDREN.

5. AVAILABILITY AND COST:

Marketed throughout the U.S., 8125 Sealant is available from various distributors. Cost and further technical data are available from your local Geocel representative or from Geocel's corporate offices.

6. LIMITED WARRANTY:

Geocel, LLC warrants that the product is manufactured according to their published standards. The company guarantees for 5 years from the date of manufacture that 8125 Sealant will not crack due to normal expansion and contraction and that it will not lose its adhesion or cohesion. Geocel, LLC will, at its option, either refund the purchase price of, or provide replacement for, that portion of the 8125 Sealant which fails to perform in accordance with this warranty. Such refund or replacement will constitute the limit of Geocel's liability and obligation for any such failure. Geocel, LLC will not be liable or obligated otherwise for any loss or damage arising directly or indirectly from this product, or the use or failure thereof, whether based on breach of warranty or negligence.

7. MAINTENANCE:

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

8. TECHNICAL SERVICES:

Geocel representatives throughout the U.S. are available to provide technical assistance. Geocel's in-house technical staff and laboratory facilities are equipped to respond to specific requests for further information and/or applications testing.

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

For additional product information, refer to the product spec sheet located at www.GeocelUSA.com.