Geocel® Setting the Standard™

TECHNICAL DATA

GeoGreen®

8150® 100% Silicone

HIGH PERFORMANCE NEUTRAL CURE SEALANT

1. PRODUCT NAME:

8150® 100% Silicone High Performance Neutral 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:

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 ±25% with superior weatherability. Ideal for a variety of construction and industrial applications.

Product Benefits:

- 100% Silicone
- Neutral cure, high modulus
- Versatile, high performance
- Excellent adhesion to porous and non-porous surfaces
- High movement capability of ± 25%
- Excellent weatherability

Basic Uses:

- Glazing 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 ± 25%
- Sealing between pre-cast concrete panels

Adheres To: Aluminum, glass, wood, plastic, metal, concrete, and other common building substrates

Composition and Materials: 8150 Sealant is a neutral cure (oxime), one component, high modulus silicone component, high modulus silicone featuring a non-corrosive curing mechanism with excellent movement capabilities (± 25%). Its exceptional unprimed adhesion to many common substrates and high resistance to ultraviolet light, ozone, moisture, and extreme temperature variations results in a life expectancy of 30 years. Dry tools easily to a smooth, attractive finish and has good tear resistance. The rubber-like properties are maintained throughout its lifetime.

Grade: Gun grade consistency

Primers: 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 and white

Application Standards: Meets or exceeds the following specs:

- U.S. Fed. Spec. TT-S-001543A (COM-NBS) Class A and TTS-00230CC (COM-NBS) Class A
- ASTM:C-920, Type S, Grade NS, Class 25 Use NT, M, G, A, O
- CAN/CGSB-19, 13-M87, Class MCG-2-25-A-L

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

4. 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" (12.7mm) maximum.

Surface Preparation: Clean loose particles from surface. Surfaces must be clean, dry, and totally dust 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

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

Elongation: 540%

Tack Free: 25 minutes

Cure: 24 hours

Service Temperature: -60° F to 300° F (-51° C to 149° C)
Application Temperature: -38° F to 140° F (-37° C to 60° C)

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 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.

Storage Life: One year

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

5. AVAILABILITY AND COST:

Marketed throughout the U.S., Canada, and in select foreign markets, it is 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 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 date of manufacture that 8150 Construction Neutral Cure Silicone 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 8150 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.

8. MAINTENANCE:

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

9. 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.

Geocel® ISO 9001 • 14001 REGISTERED
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