

8150® 100% Silicone High Performance Neutral Cure Sealant



1. PRODUCT NAME:

8150® 100% Silicone High Performance Neutral Cure Sealant

2. MANUFACTURER:

Geocel Products Group A Business Unit of The Sherwin-Williams Company ("Geocel Products Group") Cleveland, OH 44115
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 $\pm 25\%$ with excellent 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
- 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

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 ($\pm 25\%$). 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 rubber-like properties are maintained throughout its lifetime.

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 and white

Applicable Standards: Meets or exceeds the following specifications:

- 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: 709% - Clear; 608% - White

Tack Free: 1 hour

Cure: 24 hours

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.

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: 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, thoroughly clean joint, and reseal with 8150 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

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