

Geocel **S4** Solar Panel Roof Installation Sealant

1. PRODUCT NAME:

Geocel S4® Solar Panel Roof
Installation Sealant

2. MANUFACTURER:

Geocel Products Group
A Business Unit of
The Sherwin-Williams Company
("Geocel Products Group")
Cleveland, OH 44115
Phone: (800) 348-7615
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www.GeocelUSA.com

3. PRODUCT DESCRIPTION:

Geocel S4® Solar Panel Roof Installation Sealant is a high performance, contractor grade Scypolymer® sealant designed specifically for the installation of solar panels to various roof decks. It is ideal for through-roof penetrations, flashings, brackets, and other solar panel roof mounting systems. It remains flexible, creating a weatherproof seal that withstands roof movement.

Product Benefits:

- Specifically designed for the solar panel market
- Seals penetrations, flashings, brackets & other mounting systems
- Meets ASTM C 920
- Applies in damp or dirty conditions
- Remains flexible
- Provides minimal shrinkage

Basic Uses:

- Specifically designed for the solar panel market
- Seals penetrations, flashings, brackets & other mounting systems

Adheres To: Asphalt shingles, metal, aluminum, tile, concrete, and other roofing substrates

Composition and Materials:

Advanced proprietary, Scypolymer technology

Grade: Gun grade, non-sag consistency

Primer: Good primerless adhesion to most common building substrates. However, for joints where high movement is anticipated, the use of a primer is

recommended. 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 fl. oz. cartridge

Colors: Black

Application Standards: Meets ASTM C 920, Type S, Grade NS, Class 50, use NT, A, M, and G

Limitations:

- Do not use on traffic-bearing surfaces
- Do not use in areas where food is processed or stored
- Do not use for potable water applications

4. INSTALLATION:

Follow solar panel manufacturer's installation instructions and all applicable International, National, State and Local Building Codes.

Joint Design: The width of the joint should be a minimum of 4 times the anticipated movement. In joints up to 1/2" wide, the depth of the sealant should be equal to the width, but not less than 1/4". For larger joints and where the joint depth exceeds 5/16", use a polyethylene backer rod that is 25% larger than the joint opening. Install all joint applications per ASTM recommendations and guidelines. Joints must have a depth to width ratio of 1:2 (joint depth 1/2 of the width). To prevent three-point contact a backer rod or bond breaker tape must be used to ensure proper joint movement and a weatherproof seal.

Surface Preparation: Joint surfaces must be dry, clean, and free of all contamination. Glass, metal, and other non-porous surfaces must be free of any coatings and wiped clean with solvent. Precast panels using form-release agents



other than polyethylene film must be sand blasted or mechanically abraded and blown or brushed dust free.

Elongation: 230%

Tack Free: 90 minutes

Cure: 3 days

Application and Tooling: Trim nozzle to between 1/4" – 3/8". Smaller openings can cause back-pressure, resulting in leaks around the plunger and run-on out of the nozzle. Puncture inner foil liner. Place cartridge in a conventional caulking gun and apply with steady pressure filling joint completely. Tool into seams and cracks immediately after application.

Painting: May be painted immediately after application with latex-based paints

Cleaning: Remove Geocel S4 Sealant from gun and tools before it cures. This may be done by scraping and the use of solvents such as Xylol or mineral spirits. Cured materials may be removed by cutting with sharp tools or sandpapering. 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 construction material and industrial distributors. Cost and further technical data are available from your local Geocel Products Group representative or 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.

8. TECHNICAL SERVICES:

Geocel Products Group representatives throughout the U.S. are available to provide technical assistance. Geocel Products Group'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 fl. oz cartridge

| Joint Size | Linear Feet |
|-------------|-------------|
| 1/4" x 1/4" | 24.1 |
| 1/4" x 3/8" | 16.0 |
| 1/4" x 1/2" | 12.0 |
| 1/2" x 3/8" | 8.4 |
| 1/2" x 1/2" | 6.0 |
| 3/4" x 1/2" | 4.0 |

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