



Transportation
Sealants & Adhesives

TECHNICAL DATA

GeoGreen®

4500® ROOF BONDING SEALANT

1. PRODUCT NAME:

GeoGreen 4500® Roof Bonding Sealant

2. MANUFACTURER:

GEOCEL, LLC

P.O. Box 398

Elkhart, IN 46515 USA

Phone: (800) 348-7615

Fax: (800) 348-7009

www.geoceltransportationproducts.com

3. PRODUCT DESCRIPTION:

GeoGreen 4500® Roof Bonding Sealant is a premium Scypolymer® one-component, proprietary, non-solvent bonding sealant specifically designed for roofing applications and systems. The advanced technology of 4500 Roof Sealant results in a product that immediately withstands ponding water while bonding to many common roofing substrates.

Product Benefits:

- Applies, adheres, and cures underwater
- 2 products in 1 - lap adhesive & scrim edge sealant
- No additional adhesives or sealants needed
- Remains flexible
- Works with EPDM membranes, tapes, and patches
- Safe, non-flammable, non-solvent formulation

Basic Uses:

For repairing and sealing around through-roof projections, termination points, and flashings. Also as an EPDM lap cement adhesive or scrim edge sealant.

Adheres To: Asphalt shingles, steel, concrete, EPDM, primed TPO, primed PVC, Hypalon (black only), sheet metal, wood, and other common building substrates.

Composition and Materials: Proprietary, non-solvent technology

Grade: Gun grade consistency

Primer: Not required on most surfaces. On TPO and PVC membrane applications, a primer is required. Geocel recommends using 45P™ Low VOC, TPO & PVC Primer.

Packaging: 10 fl. oz. cartridge

Colors: Black and white

Limitations:

- Do not use on unprimed TPO or PVC membranes
- Do not use black 4500 Roof Sealant on white EPDM
- Do not use white 4500 Roof Sealant on black EPDM

4. INSTALLATION:

Surface Preparation: For best results, ensure surfaces are clean, dry, sound, and frost-free.

Elongation: 375% - Black; 428% - White

Tack Free: <2 hours - Black; 40 minutes - White

Cure: 2 days

Service Temperature: -40° F to 200° F
(-40° C to 93° C)

Application Temperature: 30° F to 120° F
(-1° C to 49° C)

Application and Tooling: Cut tip of nozzle to required width of bead and puncture foil seal. Place cartridge in gun and apply with steady pressure. Press membranes together to allow sealant to spread out and around the seam. Tool into seams and cracks immediately after application. For best results, remove dust, dirt, and loose materials. Surfaces should be clean.

Cleaning: Remove 4500 Roof 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., 4500 Roof 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 4500 Roof 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 4500 Roof 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 bead, clean joint, and reseal with 4500 Roof Sealant.

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 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.geoceltransportationproducts.com.