



PRODUCT DATA SHEET

HYBRID TECHNOLOGY

Geocel 4500® Roof Bonding Sealant

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

- 2 products in 1 – lap adhesive & scrim edge sealant
- No additional adhesives or sealants needed
- Remains flexible
- Works with EPDM membranes, tapes, and patches

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, concrete, steel, EPDM, primed TPO, primed PVC, Hypalon (black only), metal, wood, and other common building substrates.



Composition and Materials:

Proprietary technology

Grade:

Gun grade consistency

Primer:

Not required on most surfaces. On TPO and PVC membrane applications, a primer is required.

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
- For exterior use only due to odor emitted during cure
- Do not use for continuous underwater applications

Installation:

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. If tooling is required, tool joints no less than 1/4" in thickness immediately after application. Maintain a 1/4" thickness if troweled or spread. For best results, remove dust, dirt, and loose materials. Surfaces should be clean.

Part #	Color	Country	UPC	SCC
GC55101	White	USA	0 79239 55101 0	200 79239 55101 4
GC55103	Black	USA	0 79239 55103 4	200 79239 55103 8
GC55801	White	Canada	0 79239 55801 9	200 79239 55801 3
GC55803	Black	Canada	0 79239 55803 3	200 79239 55803 7

12 cartridges (9.5 lbs.) per case; Case dimensions: 8 1/4"L x 6 1/8"W x 12"H

Surface Preparation:

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

Cleaning:

Remove 4500 Roof Sealant from the gun and tools before it cures. This may be done by scraping and using regionally compliant solvents. Observe manufacturer's precautions when using toxic or flammable solvents. Cured materials may be removed by cutting with sharp tools.

Cure:

1 day

Application Temperature:

30°F to 120°F

Service Temperature:

-75°F to 250°F

Storage Life:

One year (unopened)

Cautions:

CONTAINS CRYSTALLINE SILICA. Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (NIOSH approved) or leave the area. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. **FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water for 15 minutes and get medical attention. For skin contact, wash thoroughly with soap and water. In case of respiratory difficulty, provide fresh air and call physician. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately.

WARNING: This product contains chemicals known to the state of California to cause cancer and birth defects or other reproductive harm. **DO NOT TAKE INTERNALLY. KEEP OUT OF REACH OF CHILDREN**

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.

Limited Warranty:

This warranty is made to you, the product purchaser who owns the property where the product is applied. This warranty is not transferable except that if a contractor purchased and applied the product to the property for you, then the warranty is transferable to you. If this product, when applied and maintained according to product application and maintenance instructions to a properly prepared surface, fails to perform, contact us at 1-800-348-7615 and upon satisfactory evidence of product failure, and with your proof of purchase, you may either receive a replacement of an equivalent quantity of product free of charge, or request a refund from the store where purchased. This warranty shall not apply to any defect, damage, or product failure resulting from improper surface preparation, structural defects, environmental damage, failure of a previous product, deterioration or defect in the underlying substrate, or improper application or maintenance of the product. Your sole remedy, and the sole liability of Geocel under this warranty is the replacement of product or refund and does not include labor or costs associated with the application or removal of any product. **IN NO EVENT SHALL GEOCEL BE LIABLE FOR ANY TYPE OF INCIDENTAL, CONSEQUENTIAL, SPECIAL, EXEMPLARY, PUNITIVE, OR INDIRECT DAMAGES WHETHER OR NOT PURCHASER IS ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. ALL IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL HAVE THE SAME DURATION AS THE ABOVE EXPRESS WARRANTY.** Some states do not allow limitations on how long an implied warranty lasts or limitations on incidental or consequential damages, so portions of the limitations above might not apply to you. This warranty gives you specific legal rights, and you may have other rights, which vary from state to state.

Maintenance:

No maintenance should be required. If the sealant is damaged, remove bead, clean joint, and reseal with Geocel 4500 Roof Sealant.

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

Property	Typical Physical Properties		
	Results Black	Results White	Test Method
Shore A Hardness	35	29	ASTM C661
Tensile Strength at Peak	248 psi	107 psi	ASTM D412
Elongation at Break (%)	324	428	ASTM D412
Tack Free Time	90 min	40 mins	ASTM C679
Adhesion to EPDM	8.9 lbf	5.2 lbf	ASTM C794
Adhesion to Aluminum	14.5 lbf	11.7 lbf	ASTM C794
Adhesion to Vinyl	13.2 lbf	11.1 lbf	ASTM C794
Adhesion to Wood	11.0 lbf	11.8 lbf	ASTM C794