



## 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

#### 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 6.35 mm in thickness immediately after application. Maintain a 6.35 mm thickness if troweled or spread. For best results, remove dust, dirt, and loose materials. Surfaces should be clean.

Part #	Color	Country	UPC	SCC
GC55801	White	Canada	0 79239 55801 9	200 79239 55801 3
GC55803	Black	Canada	0 79239 55803 3	200 79239 55803 7

24 cartridges (28 lbs.) per case; Case dimensions: 30.5 cm L x 21.0 cm W x 30.2 cm 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:**

-1° C to 30 to 49° C

**Service Temperature:**

-60° C to 121° C

**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:**

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. This warranty gives you specific legal rights and provides exclusions/limitations on certain damages. Such exclusions/limitations may not apply to you and you may have other rights which vary from province to province

**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 Meters
6.35 mm x 6.35 mm	7.35
6.35 mm x 9.5 mm	18.6
6.35 mm x 12.7 mm	3.65
12.7 mm x 12.7 mm	1.83

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