



Geocel 4600™ Structural Adhesive Sealant

Geocel 4600™ Structural Adhesive Sealant provides a long-lasting waterproof seal on many common building substrates including roofing materials, glass, aluminum, fiber cement board, masonry, and wood. The heavy bodied viscosity of the product makes it ideal for both vertical and horizontal applications.

- Flexible – Meets ASTM C 920, Type S, Grade NS, Class 35, Uses NT, T1, M, G, A & O
- UV resistant
- Applies in damp or dry conditions
- Paintable with latex-based paints

Basic Uses:

- Most non-traffic bearing joints
- Primer-less application to brick, concrete, metal, glass, treated and untreated wood, asphaltic materials, and vinyl
- Through-roof penetrations, flashings, gutters, solar panel installations
- Underdecking installation
- Windows and doors
- As a trim sealant for metal components

Adheres To:

Wood, concrete, aluminum, metal, glass, roof tiles, masonry, brick, asphalt shingles, skylights, EPDM, primed TPO, primed PVC, vinyl, HVAC equipment, and other common building substrates



Part #	Color		UPC	SCC
GC46101	White		0 79239 46101 2	200 79239 46101 6
GC46102	Gray		0 79239 46102 9	200 79239 46102 3
GC46103	Black		0 79239 46103 6	200 79239 46103 0
GC46105	Bronze		0 79239 46105 0	200 79239 46105 4
GC46106	Limestone		0 79239 46106 7	200 79239 46106 1
GC46107	Tan		0 79239 46107 4	200 79239 46107 8

24 cartridges (28 lbs.) per case; Case dimensions: 12.5" L x 8.25" W x 12.25" H

PRODUCT DATA SHEET

HYBRID TECHNOLOGY

Composition and Materials:

Hybrid Technology

Grade:

Gun grade, non-sag consistency

Primer:

Good primer-less adhesion to many common building substrates. However, for joints where high movement is anticipated, the use of a primer is recommended. If primer less adhesion to a particular substrate is in question, a test application is recommended. Contact our Technical Service Department for further information.

Limitations:

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

Installation:

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 be wiped clean with solvent. Follow manufacturer's instructions for safe use. Precast panels using form-release agents other than polyethylene film must be sand blasted or mechanically abraded and blown or brushed free of dust.

Joint Backing:

Joint depth should not exceed 3/8". An open cell backer rod should be used to control joint depth. In shallow joints, a bond breaker tape should be installed to prevent three-point contact.

Application and Tooling:

Remove nozzle and puncture the inner foil seal repeatedly. Replace the nozzle and trim 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. 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 4600 from gun and tools before it cures. This may be done by scraping or the use of a regional available cleaning solvent. Follow manufacturer's instructions for safe use. Cured materials may be removed by cutting with sharp tools or sandpapering.

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 adequate ventilation cannot be provided wear an approved particulate respirator (NIOSH approved). Follow respirator manufacturer's directions for respirator use. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (NIOSH approved) or leave the area. 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 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.

Product Cure:

4 Days

Application/Service Temperatures:

Application: 0°F to 120°F (-17°C to 48°C)
Service: -40°F to 200°F (-40°C to 82°C)

Storage:

1 year

Shelf Life:

1 year

Joint Size	Linear Feet
¼" x ¼"	24.1
¼" x 3/8"	16.0
¼" x ½"	12.4
½" x 3/8"	8.4
½" x ½"	6.0
¾" x ½"	4.0

Typical Physical Properties		
Property	Results	Test Method
Max Elongation	324	ASTM D412
Tensile Strength	256	ASTM D412
Tear Strength	90 psi	ASTM D624
Kynar 500®	19.3 pli	ASTM C794
Concrete	11 pli	ASTM C794
Vinyl	10 pli	ASTM C794
Wood	10 pli	ASTM C794
Aluminum	30 pli	ASTM C794
Tack Free	120 minutes	ASTM C679
Shore A Hardness	42 (+/- 2)	ASTM C661