



## 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
GC46801	White		0 79239 46801 1	200 79239 46801 5
GC46802	Gray		0 79239 46802 8	200 79239 46803 5
GC46803	Black		0 79239 46803 5	200 79239 46803 9
GC46805	BRONZE		0 79239 46805 9	200 79239 46805 3

24 cartridges (28 lbs.) per case; Case dimensions: 31.75 cm L x 20.96 cm W x 31.12 cm 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 13 mm wide, the depth of the sealant should be equal to the width, but not less than 6 mm. For larger joints and where the joint depth exceeds 8 mm, 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 9.6 mm. 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 6 – 10 mm.. 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:

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.

### 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 Meters
6 mm x 6 mm	7.3
6 mm x 10 mm	4.9
6 mm x 13 mm	3.8
10 mm x 13 mm	2.6
13 mm x 13 mm	1.8
13 mm x 19 mm	1.2

### Typical Physical Properties

Property	Results	Test Method
Max Elongation	324	ASTM D412
<b>Tensile Strength</b>	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