



HYBRID TECHNOLOGY

Geocel 4350™ Construction Sealant

Geocel 4350™ Construction Sealant is a high performance, chemically curing hybrid sealant that offers excellent adhesion to many substrates including wood, concrete, metal, glass, tile, brick, vinyl, and asphalt shingles.

Geocel 4350 Construction Sealant can be used as an interior/exterior sealant, withstands adverse weather conditions, is UV resistant, is tolerant to damp surfaces, and features minimal shrinkage.

- Meets ASTM C 920, Type S, Grade NS, use NT, A, M, AND G
- Interior/Exterior
- UV resistant
- Applies in damp or dry conditions
- Paintable with latex-based paints

Basic Uses:

Interior & Exterior applications:

- 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 installation
- Underdecking installation
- Windows and doors
- As a trim sealant for metal components

Adheres To:

Coated steel, Aluminum, Wood, glass, tile, brick, asphalt shingles, EPDM, Fiber cement board, skylights, primed TPO, primed PVC, and other common building substrates



Composition and Materials:

Advanced proprietary, 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:

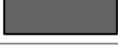
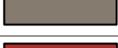
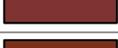
- Do not use on traffic-bearing surfaces
- Do not use in areas where food is stored or processed
- Do not use for potable water applications

Installation:

Joint Design: 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.



Geocel 4350™ Construction Sealant

Part #	Color (USA)		UPC	SCC
GC43510	Stonework		0 79239 43510 5	200 79239 43510 9
GC43511	Saddle Tan		0 79239 43511 2	200 79239 43511 6
GC43512	Desert Sand		0 79239 43512 9	200 79239 43512 3
GC43520	Dove Gray		0 79239 43520 4	200 79239 43520 8
GC43521	Fawn		0 79239 43521 1	200 79239 43521 5
GC43522	Nantucket Gray		0 79239 43522 8	200 79239 43522 2
GC43523	Granite		0 79239 43523 5	200 79239 43523 9
Gc43530	Black		0 79239 43530 3	200 79239 43530 7
GC43540	Chestnut		0 79239 43540 2	200 79239 43540 6
GC43541	Burnished Slate		0 79239 43541 9	200 79239 43541 3
GC43542	Deep Bronze		0 79239 43542 6	200 79239 43542 0
GC43543	Buckskin		0 79239 43543 3	200 79239 43543 7
GC43550	Crimson		0 79239 43550 1	200 79239 43550 5
GC43551	Radiant Red		0 79239 43551 8	200 79239 43551 2
GC43552	Rustic Red		0 79239 43552 5	200 79239 43552 9
GC43553	Countryside Red		0 79239 43553 2	200 79239 43553 6
GC43554	Maroon		0 79239 43554 9	200 79239 43554 3
GC43560	Hemlock		0 79239 43560 0	200 79239 43560 4
GC43561	Evergreen		0 79239 43561 7	200 79239 43561 1
GC43562	Fern		0 79239 43562 4	200 79239 43562 8
GC43570	Hawaiian Blue		0 79239 43570 9	200 79239 43570 3
GC43571	Cobalt Blue		0 79239 43571 6	200 79239 43571 0
GC43580	Linen White		0 79239 43580 8	200 79239 43580 2

24 cartridges (9.5 lbs.) per case; Case dimensions: 13.375" L x 8..25" W x 12.05"H

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:

Trim nozzle 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. Puncture inner foil liner. 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 4350 Construction Sealant from gun and tools before it cures. This may be done by scraping and the use of regionally available solvents. Follow manufacturer's instructions for safe use. Cured materials may be removed by cutting with sharp tools or sandpapering.

Cure:

4 days

Storage Life:

18 months

Application/Service Temperature:

Application 0 to 120° F

Service -40 to 200° F

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. DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE. 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.

Joint Size	Linear Feet
1/4" x 1/4"	24.1
1/4" x 3/8"	16.0
1/4" x 1/2"	12.4
1/4" x 3/8"	8.4
1/2" x 1/2"	6.0
3/4" x 1/2"	4.0

Typical Physical Properties

Property	Results	Test Method
Shore A Hardness	27	ASTM C661
Tensile Strength	220 psi	ASTM D412
Elongation	254%	ASTM D412
Tear Strength	27 pli	ASTM D624
Tack Free Time	Greater than 2 hours	ASTM C679
Adhesion to:		
Vinyl	13.0 pli	ASTM C794
Aluminum	11.1 pli	ASTM C794
Steel	13.7 pli	ASTM C794
Kynar 500®	12.0 pli	ASTM C794

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