

# Geocel<sup>®</sup>

## 3500™ Polyurethane Bonding Sealant

3500™ Polyurethane Bonding Sealant is a urethane sealant that cures to a tough, flexible seal. It can be used in bonding, beading, and sealing applications. It contains no TDI (toluene diisocyanate).

- One-part urethane moisture cure sealant
- Contains no TDI (toluene diisocyanate)
- Ideal for adhering roof tiles
- Paintable
- Both bonding and sealing applications
- Variety of colors
- Fast set-up, minimal shrinkage

### Basic Uses:

- 3500 Sealant is especially designed for roofing, gutters, expansion joints, construction joints, and other applications

### Adheres To:

Concrete, brick, wood, tile, steel, asphalt shingles, sheet metal, and other common building substrates



Part #	Color (USA)		UPC	SCC
GC35102	Gray		0 79239 35102 3	200 79239 35102 7
GC55103	Black		0 79239 55103 4	200 79239 55103 8
GC35104	Brown		0 79239 35104 7	200 79239 35104 1
GC35117	Terra Cotta		0 79239 35117 7	200 79239 35117 1

24 cartridges (26 lbs.) per case; Case dimensions: 8.25 L x 13.375 W x 12.5 H

## PRODUCT DATA SHEET

### POLYURETHANE TECHNOLOGY

#### Composition and Materials:

3500 Sealant is a one-part urethane sealant that cures by reaction with atmospheric moisture.

#### Grade:

Gun grade consistency

#### Primer:

Not required on most surfaces

#### Limitations:

- Do not use for glazing
- Do not use on plastic materials with high plasticizer content
- Do not use on corrosive/crack sensitive plastics
- Do not use for portable water applications
- Do not use in areas where food is processed or stored

#### Installation:

Joint Design: Sealant should have a ratio of approximately twice the joint width to depth.

**Surface Preparation:**

Joints must be sound, smooth, uniform in dimensions, and free from defects and foreign material. They must be clean, dry, and free of frost and all contaminants such as curing compounds, sealers (waterproofing), coatings, etc.

**Joint Backing:**

Joint Backing: Joint depth should not exceed 5/8". 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:**

Apply with conventional caulking equipment, filling joint completely. Warm tube if temperature is below 40° F (4° C) for easier gunning. Dry tool with light pressure immediately after applying. For best results as an adhesive, apply in a zig-zag pattern.

**Painting:**

Paintable

**Cleaning:**

Uncured 3500 Sealant may be easily removed from hands and tools with towels. Promptly clean up any excess sealant on surface or tools with a regionally compliant cleaning solvent. Follow manufacturer's precautions when handling flammable or toxic solvents. Wash hands with soap and water. NOTE: Cured sealant is very difficult to remove without altering or damaging the surface to which it was applied.

**Cautions:**

CONTAINS ALIPHATIC POLYISOCYANATE  
HEXAMETHYLENE DIISOCYANATE AROMATIC  
POLYISOCYANATE POLYMETHYLENE  
POLYPHENYL ISOCYANATE  
METHYLENEDIPHENYL DIISOCYANATE  
CRYSTALLINE SILICA VAPOR HARMFUL. Gives off harmful vapor of solvents and isocyanates. DO NOT USE IF YOU HAVE CHRONIC (LONGTERM) LUNG OR BREATHING PROBLEMS, OR IF YOU HAVE EVER HAD A REACTION TO ISOCYANATES. USE ONLY WITH ADEQUATE VENTILATION. WHERE OVERSPRAY IS PRESENT, A POSITIVE PRESSURE AIR SUPPLIED RESPIRATOR (NIOSH approved) SHOULD BE WORN TO PREVENT EXPOSURE. IF UNAVAILABLE, AN APPROPRIATE PROPERLY FITTED APPROVED NIOSH VAPOR/PARTICULATE RESPIRATOR MAY BE EFFECTIVE. Follow directions for respirator use. Wear the respirator for the whole time until all vapors are gone. If you have any breathing problems during use, LEAVE THE AREA and get fresh air. If problems remain or happen later, IMMEDIATELY call a doctor - If not available get emergency medical treatment. Have this label with you. Adequate ventilation required when sanding or abrading the dried film. If adequate ventilation cannot be provided wear an approved particulate respirator (NIOSH approved). Follow respirator manufacturer's directions for respirator use. IRRITATES SKIN

plenty of water for 15 minutes and call a doctor - If not available get emergency medical treatment. In case of skin contact, wash thoroughly with soap and water. Clothes contaminated by a spill should be removed and laundered. Keep container closed when not in use. Reacts with water in closed container to produce pressure which may cause container to burst. Do not transfer contents to other containers for storage. FIRST AID: In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE. Abrading or sanding of the dry film may release crystalline silica which has been shown to cause lung damage and cancer under long term exposure. 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 offices.

**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 and reseal with 3500 Sealant.

**Product Cure:**

1 day

**Application/Service Temperatures:**

Application: (20 to 150 degrees)

Service: (-40 to 180 degrees)

**Storage:**

For maximum shelf life, store unopened at or below 80° F.

**Shelf Life:**

One year

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
3/4" x 1/2"	4.0

**Typical Physical Properties**

Property	Results	Test Method
Joint Movement	25%	ASTM C719
Elongation	665%	ASTM D412
Tensile Strength	207.3 psi	ASTM D412
Tear Strength	67.1 psi	ASTM D624
<b>Tack Free</b>	40 minutes	ASTM C679
Shore A Hardness	39 pli	ASTM C661
Adhesion to:		
Aluminum	41.0 pli	ASTM C794
Concrete	20.9 pli	ASTM C794
Wood	37.0 pli	ASTM C794
Steel	22.8 pli	ASTM C794



For additional product information, refer to the product spec sheet located at [GeocelUSA.com](http://GeocelUSA.com)

Geocel Products Group, Cleveland, OH 44115  
Phone: (800) 348-7615 Fax: (800) 348-7009

