

Geocel®

Geocel 3900™ Textured Polyurethane Sealant

Geocel 3900™ Textured Polyurethane Sealant is a single component, high performance sealant that is durable and ideal for non-structural mortar repairs and blending dissimilar surfaces. It bonds to both porous and non-porous substrates while providing the appearance of mortar.

- Textured to look like mortar
- Remains flexible
- Paintable

Basic Uses:

- Panel to panel joints, concrete, stucco, stone, brick, flashing, and roofing
- For non-structural mortar repair

Adheres To:

Stone, concrete, brick, stucco, and other common building substrates



Part #	Color (USA)	UPC	SCC
GC39102	Gray	0 79239 39102 9	200 79239 39102 3

24 cartridges (26 lbs.) per case; Case dimensions: 8.25 L x 13.375 W x 12.50 H

PRODUCT DATA SHEET

POLYURETHANE TECHNOLOGY

Application Standards:

Meets ASTM C 920-II, Type S, Grade NS, Class 25, use NT, A, G, and M.

Grade:

Gun grade consistency

Primer:

Good primer less adhesion to most 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 Geocel's Technical Service Department for further information.

Limitations:

- Do not apply over damp or contaminated surfaces
- Do not apply to absorptive surfaces such as marble, limestone, or granite without prior testing for discoloration or staining
- Do not use for portable water applications
- Do not use in areas where food is processed or stored

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 ration 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 create 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 wiped clean with solvent. Precast panels using form-release agents other than polyethylene film must be sand blasted or mechanically abraded and blown or brushed dust free.

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 create a weatherproof seal.

Application and Tooling:

Apply with conventional caulking equipment. Fill joints from the back to prevent voids and air pockets. If application temperature is below 40° F (5° C), precautions should be taken to ensure the substrates are completely dry and frost free. Immediately after application, tooling is recommended to ensure firm, full contact with the joint sides.

Painting:

May be painted after sealant has cured for at least 24 hours.

Cleaning:

Remove Geocel 3900 Textured Sealant from gun and tools before it cures. 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. Cured materials may be removed by cutting with sharp tools or sandpapering.

Cautions:

CONTAINS ALIPHATIC POLYISOCYANATE HEXAMETHYLENE DIISOCYANATE AROMATIC POLYISOCYANATE POLYMETHYLENE POLYPHENYL ISOCYANATE METHYLENEDIPHENYL DIISOCYANATE. 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. 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 and until all vapors are gone.

remain or happen later, IMMEDIATELY call a doctor - If not available get emergency medical treatment. Have this label with you. IRRITATES SKIN AND EYES. Avoid contact with eyes and skin. In case of eye contact, flush immediately with 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. 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:

Geocel 3900 Textured Sealant is 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 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 Geocel 3900 Textured Sealant

Product Cure:

One day

Application/Service Temperatures:

Application: 20°F - 150°F (-6°C - 65°C)

Service: -40°F - 180°F (-40°C - 82°C)

Storage:

For maximum shelf life, store unopened product 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
Elongation	404%	ASTM D412
Tack Free	4 hours	ASTM C679
Tensile Strength	229 psi	ASTM D412
Shore A Hardness	42 psi	ASTM C661
Adhesion to:		
Concrete	32.6 pli	ASTM C794
Brick	24.9 pli	ASTM C794
Fibercement	30.1 pli	ASTM C794
Tile	28.1 pli	ASTM C794



For additional product information, refer to the product spec sheet located at GeocelUSA.com

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