



2300® Construction Tripolymer Sealant

2300® Construction Tripolymer Sealant is a single component, high-performance elastomeric sealant for use in a wide variety of roofing, trim, architectural, metal, manufacturing, underdeck system, solar roof system, and general construction applications.

- Will not crack
- Asphalt shingle compatible
- Exceptional elongation and flexibility
- Excellent adhesion to many building surfaces, even when damp
- UV resistant
- Resealable, may be applied over itself
- Paintable
- Easily applied, non-stringing formulation
- Available in crystal clear, colors, and specially designed metal roof colors
- Cured sealant is mildew resistant

Basic Uses:

- Most non-traffic-bearing joints, including those where structural movement or stress is expected.
- Primerless application to brick, concrete, metal, glass, treated and untreated wood, asphaltic materials, and vinyl.
- Where UV resistant material is required.
- Where a paintable sealant is required.
- As a trim sealant for metal components.

Adheres To:

Asphalt shingles, modified bitumen, coated steel (Kynar 500® based finishes), concrete, vinyl, steel, and other common building substrates



PRODUCT DATA SHEET

SOLVENT TECHNOLOGY

Composition and Materials:

2300 Sealant is based on a proprietary formulation of polymers designed to provide optimum flexibility, adhesion, weather resistance, and durability. 2300 Sealant retains its flexibility due to absence of plasticizers, which tend to migrate out causing hardening and reduced durability. Due to the mild solvent blend contained in the sealant, 2300 Sealant is not a flammable liquid according to NFPA liquid guidelines. It is weather and UV resistant. Its clear formulation is literally clear as glass from the moment of application.

Grade:

Gun-grade consistency

Primer:

Not required on most surfaces. If primerless adhesion to a particular surface substrate is a 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 on extruded polystyrene insulating sheathing (foam board, etc.)
- Do not use on acrylic skylight glazing surfaces
- Do not use in areas where food is stored or processed
- For exterior use only due to odor emitted during cure
- Do not use for portable water applications



2300® Construction Tripolymer Sealant

Part #	Color (USA)	UPC	SCC
GC66100	Clear (composite)	0 79239 66100 9	200 749239 66100 3
GC66101	White (composite) 	0 79239 66101 6	200 79239 66101 0
GC66102	Gray (composite) 	0 79239 66102 3	200 79239 66102 7
GC66103	Black (composite) 	0 79239 66103 0	200 79239 66103 4
GC66104	Brown (composite) 	0 79239 66104	200 79239 66104 1
GC66105	Bronze (composite) 	0 79239 66105 4	200 79239 66105 4
GC66900	Clear (plastic)	0 79239 66900 5	200 79239 66900 9
GC66901	White (Plastic) 	0 79239 66901 2	200 79239 66901 6
GC66902	Gray (Plastic) 	0 79239 66902 9	200 79239 66902 3
GC66903	Black (Plastic) 	0 79239 66903 6	200 79239 66903 0
GC66904	Brown (Plastic) 	0 79239 66904 3	200 79239 66904 7
GC66905	Bronze (Plastic) 	0 79239 66905 0	200 79239 66905 4
GC66907	Tan (Plastic) 	0 79239 66907 4	200 79239 66907 8
GC66908	Cedar (Plastic) 	0 79239 66908 1	200 79239 66908 5
GC66909	Almond (Plastic) 	0 79239 66909 8	200 79239 66909 2
GC66915	Driftwood (Plastic) 	0 79239 66915 9	200 79239 66915 3
GC66917	Terra (Plastic) 	0 79239 66917 3	200 79239 66917 7

24 cartridges (19 lbs.) per case; 12.25" L x 8.375" W x 12.375" H

Installation:

Joint Design: For optimum results, joints should be a minimum of 4 times greater than anticipated movement. Minimum recommended joint size is ¼" x ¼". Maximum joint size should be ½" x 3/8" in depth.

Surface Preparation:

Priming is not required unless specified above. For best results, joints should be basically clean and surface dry, although dampness from dew will not interfere with adhesion. Do not use xylene or MEK to clean joints or to remove surface coatings unless the surface is allowed to dry before application of sealant. If the joint is wet with solvent, the sealant will not adhere properly. Use of a dry rag or brush to remove dust, dirt, or other contaminants is recommended. Contamination from curing agents and from releases should be avoided. Contact Geocel Products Group's Technical Service Department or their representative if such agents are involved.

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:

Apply with conventional caulking equipment, filling joint completely. When temperature is below 40° F (4.5° C), application will be easier if sealant is warmed. When temperature of surface to be sealed exceeds 140° F (60° C), do not apply sealant until surface cools. A soap solution may be used as a lubricant for tooling. Do not allow tooling agents to contaminate open joints.

Shelf Life:

18 months

Cure

5 days

Application Temperature

0° F to 140° F

Service Temperature

-40° F to 180° F

Painting:

Sealant may be painted after 24 hours. If using a relatively inflexible paint, allow sealant to cure for four days before painting. 2300 Sealant may be coated with any latex and most oil-based plants. Some plants may crack when used on dynamic joints. See paint manufacturer's specifications.

Cleaning:

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.

Cautions:

Availability and Cost:

2300 colors may not be sold in California. 2300 Crystal Clear may be sold in non-SCAQMD California counties only. 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. If the sealant is damaged, either remove the bead and reseal with 2300 Sealant or apply additional 2300 Sealant over the damaged Area.

Storage:

Heated storage is not required. Product will not freeze. Store in a clean, dry area.

Joint Size	Linear Feet
¼ "x ¼ "	24.8
¼ "x 3/8"	16.5
¼"x 1/2"	12.4
½" x 3/8"	8.7

Typical Physical Properties

Property	Results	Test Method
Shore A Hardness	39 Clear; 19 colors	ASTM C661
Tensile Strength at Peak (psi)	224	ASTM D412
Elongation at Break (%)	1,025	ASTM D412
Tack Free Time	120 mins.	ASTM C793
Adhesion to Aluminum (lbf)	16.4 clear; 8.6 colors	ASTM C794
Adhesion t Kynar® (lbf)	22.9 clear; 8.9 colors	ASTM C794
Adhesion to Wood (lbf)	17.1 clear; 17.3 colors	ASTM C794
Adhesion to concrete (lbf)	21.0 clear; 13.7 colors	ASTM C794

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