# 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 selant 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 to 140 degrees

## Service Temperature

-40 to 180 degrees

## 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: 29 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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