



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
GC66850	Clear (plastic)	0 791239 66850 3	200 79239 66850 7
GC66851	White (Plastic) 	0 79239 66851 0	200 79239 66851 4
GC66852	Gray (Plastic) 	0 79239 66852 7	200 79239 66852 1
GC6853	Black (Plastic) 	0 79239 66853 4	200 79239 66853 8
GC66854	Brown (Plastic) 	0 79239 66854 1	200 79239 66854 5
GC66855	Bronze (Plastic) 	0 79239 66855 8	200 79239 66855 2

24 cartridges (19 lbs.) per case; 31.12 cm L x 12.27 cm W x 31.43 cm H

Installation:

Joint Design: For optimum results, joints should be a minimum of 4 times greater than anticipated movement. Minimum recommended joint size is 6.35 mm x 6.35 mm. Maximum joint size should be 12.7 mm x 9.52 mm 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 9.52 mm. 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 or a solvent such as Xylene may be used as a lubricant for tooling. Follow manufacturer's instruction for safe use. Do not allow tooling agents to contaminate open joints.

Shelf Life:

18 months

Cure

5 days

Application Temperature

-18° C to 60° C

Service Temperature

-40° C to 82° C

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 paints. 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:

LIMITED WARRANTY: If when applied according to label directions this product fails to perform in accordance with its published literature, upon satisfactory evidence of product failure, and as your sole remedy, we will either replace the product at no cost or refund the original purchase price for that portion of product that fails to perform in accordance with this limited warranty. Labor or costs associated with labor are not included. THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY, WHICH ARE ALL DISCLAIMED AND/OR LIMITED IN DURATION TO THE EXTENT PERMITTED BY LAW. WE SHALL NOT BE LIABLE FOR INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES (INCLUDING LOST PROFITS) FROM ANY CAUSE WHATSOEVER AND SUCH DAMAGES ARE EXPRESSLY EXCLUDED. This warranty gives you specific legal rights and provides

exclusions/limitations on certain damages. Such exclusions/limitations may not apply to you and you may have other rights which vary from province to province.

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 Meters
6.35 mm x 6.35 mm	7.6
6.35 mm x 9.52 mm	5.0
6.35 mm x 12.7 mm	3.8
9.52 mm x 12.7 mm	2.4

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 to 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