

Geocel®

PHANTOM™ METAL ROOF SEALANT

Geocel® Phantom™ Metal Roof Sealant provides a unique color match to metal panels by allowing the metal color to radiate through while adding a hint of color to the sealant. The result is a seamless, monolithic appearance for the roof.

- Outstanding adhesion to PVDF, SMP and polyester-coated steel including Kynar 500®
- Will not crack
- Asphalt shingle compatible
- Exceptional elongation and flexibility
- Applies even when damp
- UV resistant
- Resealable; may be applied over itself
- Paintable
- Easily applied, non-stringing formulation
- Tools and cleans up easily
- Cured sealant is mildew resistant

Basic Uses:

- Sealing metal roof seams and through-roof projections
- Primer-less application to brick, concrete, metal, glass, treated and untreated wood, asphaltic materials and vinyl
- Where ultraviolet resistant material is required
- Where a paintable sealant is required

Adheres To:

Coated steel (Kynar 500-based finishes), asphalt shingles, modified bitumen, vinyl, steel and other common building substrates



Part #	Color (USA)		UPC	SCC
GC88901	Translucent White		0 79239 88901 4	100 79239 88901 1
GC88902	Translucent Gray		0 79239 88902 1	100 79239 88902 8
GC88905	Translucent Bronze		0 79239 88905 1	100 79239 88905 8
GC88910	Translucent Green		0 79239 88910 6	100 79239 88910 3
GC88913	Translucent Blue		0 79239 88913 7	100 79239 88913 4
GC88923	Translucent Red		0 79239 88923 6	100 79239 88923 3

12 cartridges (9.5 lbs.) per case; Case dimensions: 8 1/4" L x 6 1/8" W x 12" H

SOLVENT TECHNOLOGY

Composition and Materials:

Phantom Metal Roof Sealant is based on a proprietary formulation of polymers designed to provide optimum flexibility, adhesion, weather resistance and durability. Phantom Metal Roof Sealant retains its flexibility due to the absence of plasticizers, which tend to migrate out causing hardening and reduced durability. Due to the mild solvent blend contained in the sealant, Phantom Metal Roof Sealant is not a flammable liquid according to NFPA liquid guidelines. It is weather and ultraviolet light resistant.

Grade:

Gun-grade consistency

Primer:

Not required on most surfaces. If primer-less adhesion to a particular substrate is in question, a test application is recommended. Contact Geocel Products Group Technical Service Department for further information.

Limitations:

- Do not use extruded polystyrene insulating sheathing (foam board, etc.)
- Do not use on acrylic skylight glazing surfaces
- Do not use in areas where food is processed or stored
- For exterior use only due to odor emitted during cure
- Do not use for potable water applications

Installation:

Joint Design: For optimum results, joints should be a minimum of 4 times greater than anticipated movement. Minimum recommended joint size is 1/4" x 1/4". Maximum joint size should be 1/2" 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 surface can be 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 form releases should be avoided. Contact Geocel® Products Group Technical Service Department or 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, application will be easier if sealant is warmed. When temperature of surface to be sealed exceeds 140 °F, 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.

Painting:

If painting is desired, allow sealant to cure for at least 24 hours. Some paints may require sealant to cure for three to five days before painting. A test application is recommended.

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.

Storage Life: 18 months

Cautions:

CAUTIONS: CONTAINS VOLATILE ORGANIC COMPOUNDS. VAPOR HARMFUL. Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches or dizziness, increase fresh air or wear respiratory protection (NIOSH approved) or leave the area. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. FIRST AID: In case of eye contact, flush thoroughly with large amounts of water for 15 minutes and get medical attention. For skin contact, wash thoroughly with soap and water. In case of respiratory difficulty, provide fresh air and call

physician. If swallowed, call Poison Control Center, hospital emergency room or physician immediately. DELAYED EFFECTS FROM LONG-TERM OVEREXPOSURE. Contains solvents which can cause permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. 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 THE REACH OF CHILDREN.

Availability and Cost:

Geocel Phantom™ Metal Roof Sealant may not be sold in California. Available from various construction material and industrial distributors. Cost and further technical data are available

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, EXPRESSED 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. Some states do not allow the exclusion or limitation of incidental or consequential damages or how long an implied warranty lasts, so the above limitation or exclusion may not apply to you. This limited warranty gives you specific legal rights and you may also have other rights that vary from state to state.

Maintenance:

No maintenance should be required. If the sealant is damaged, either remove bead and reseal with Geocel Phantom Metal Roof Sealant or apply additional Geocel Phantom Metal Roof Sealant over the damaged area. Geocel Products Group representatives throughout the U.S. are available to provide technical assistance. Geocel Products Group in-house technical staff and laboratory facilities are equipped to respond to specific requests for further information and/or applications testing.

Joint Size	Linear Feet
1/4" x 1/4"	24.3
1/4" x 3/8"	16.17
1/4" x 1/2"	12.15
1/4" x 3/8"	8.53

Typical Physical Properties		
Property	Results	Test Method
Max Elongation	700%	ASTM D412
Tensile Strength	955 psi	ASTM D412
Adhesion		
Kynar 500®	13.7 pli	C794
Brick	15.1 pli	C794
Vinyl	18.9 pli	C794
Tack Free	45 minutes	
Cure	4 days	
Shore A Hardness	39	



Geocel PHANTOM™

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

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