



Elastomeric Acrylic Ceramic

SOLARGUARD PLUS

Matte Finish Protective Roof Coating
Limited Ponding Water Low-Sloped Roof Formula

Product Data

7-530

3/27/13

PRODUCT DESCRIPTION:

SOLARGUARD PLUS is a Matte Finish, Bright White, Elastomeric Acrylic, Insulative and Reflective Ceramic, Waterproofing Limited Ponding Water Formula, Protective **ENERGY STAR**® Roof Coating. It is a water-based, high build formula that possesses waterproofing, insulating and soundproofing properties that beautifies, protects and extends the life of most any sloped roofing surface. Designed for well-drained level roof surfaces that do not accumulate any settling or standing water in excess of ½" deep. Forms a monolithic, thick rubber like ceramic shield of protection that expands and contracts with varying hot and cold temperatures, plus excellent resistance to thermal shock. SOLARGUARD PLUS is an energy saving reflective coating that offers superior mildew resistance, ceramic insulation & soundproofing, excellent adhesion, U.V. ray reflectivity and a beautiful matte finish. A coating that combats the destructive environmental forces of nature. SOLARGUARD PLUS passed the CLASS A Fire Rating Test as per ASTM E84-01, NFPA 101 Life Safety Code. This roof coating system will provide many years of durable protection and outstanding beauty, and will extend the roof's life. SOLARGUARD PLUS is an inexpensive alternative solution to roofing and re-roofing. SOLARGUARD PLUS offers a 6 YEAR LIMITED MATERIAL WARRANTY on sloped and qualifying low-sloped roofs.

SOLARGUARD PLUS USES:

Recommended for well-draining, low-sloped or sloped roofing surfaces. Excellent adhesion on weathered wood, shakes, plywood, clapboard, primed metal, galvanized, aluminum, tin, copper, asbestos, asphalt, urethane, polyester, primed styrofoam, fiberglass, built-up-roofs, bonded roof gravel, rolled roofing, modified bitumen membranes, mineral surfaced roofing, concrete tiles, clay tiles, masonry tiles (flat or barrel), primed synthetic or aluminum, adobe, slate, slab, properly prepared EPDM, and various other substrates. SOLARGUARD PLUS is ideal for residential, commercial and industrial applications.

SURFACE PREPARATION:

Apply only to a sound, completely dry, well prepared roof surface. Leaks must be repaired before any coating is applied. If primer was applied, it is essential that the primer surface is clean and dry and free of all moisture. If no primer was applied, prepare surface by thoroughly pressure washing with a water and chlorine mixture using at least 1500 P.S.I. to remove any previous coatings, dirt, grease, and other foreign materials, especially mold, mildew and algae. SOLARGUARD PLUS will resist mildew growth, but will not kill mildew already on the surface. Patch any holes, cracks, flashings, valleys, vents, etc., with LEAKGUARD, a Waterproofing Caulk and Sealant. Tape & seal all seams with POLYTAPE, a Polyester Fabric Tape.

Metal: Clean surface of all grease, oil and foreign matter before priming. Rusted metal and uncoated metal must be primed with RUSTGUARD, a Red Iron Oxide Primer Sealer. Use a degreaser on galvanized or coated metals which have oils or surface treatments. Check SOLARGUARD PLUS adhesion on galvanized or coated metal by applying to a small area and evaluating after 48 hours. If lack of adhesion is present after evaluating, metal must be lightly scuffed without penetrating the coated finish or galvanizing. If applicable, use RUSTGUARD to spot prime the penetrated areas, then use ULTRABOND Primer for entire coated or galvanized surface.

APPLICATION PROCEDURE:

Stir well before using. Do not thin, use product as is. Mix multiple containers of color together for greater color consistency. Do not apply when temperatures are below 45 degrees Fahrenheit or when humidity is very high. Do not apply when coating will be subjected to rain or heavy dew before it has had enough time to dry (approx. 2 to 4 hours). Drying time will vary depending on temperature, humidity and location. Apply using brush, roller or spray. Spread coating uniformly. Spread Rate will vary depending on surface. Apply each coat between 12 to 16 mils wet film thickness. Wait at least 12 hours before applying a second coat. Two coats resulting in a minimum 16 mil total dry film thickness is recommended. If primer was used a minimum 20 mil total dry film thickness is required and is mandatory for warranty compliance.

Airless Sprayers: Use at least a 1 gallon per minute piston type airless sprayer with a minimum tip size of .027. Remove line filters and gun filters before spraying.

Clean Up: Clean up all spills, tools and overspray immediately while the coating is still wet with warm soapy water.

Ambient Temperature of 77°F and RH of 50%		TECHNICAL SPECIFICATIONS:		Rates & Times May Vary Beyond Specifications	
FINISH:	Matte	SPREAD RATE:	100 - 150 sq.ft. per gallon		
COLOR:	White & Tint Base	DRY to TOUCH:	2 to 4 Hours		
VEHICLE TYPE:	Copolymer Emulsion	RECOAT:	12 Hours		
SOLIDS by WEIGHT:	64% +/- 2%	CURE TIME:	5 to 7 Days		
SOLIDS by VOLUME:	50% +/- 2%	SIZES:	1 Gal., 5 Gal., 55 Gal.		
V.O.C.'s (averages):	.34 lbs./gal. • 41.0 g/liter	GALLON WEIGHT:	11.8 lbs. +/- .3 lbs.		

Information presented on this Data Sheet has been compiled from sources to be reliable, and is accurate and reliable to the best of our knowledge and belief but is not guaranteed to be so.

Product Identification	Product Name: SOLARGUARD PLUS Product Code #: 7-530 General Usage: Exterior Roof Coating Finish Coat General Description: Pigmented Latex Coating C.A.S. Number: None Established; Mixture	
Manufacturer Information	Meridian Coatings 200 Eagles Nest Drive, Bldg 300, Ste B Canton, GA 30115	
Chemical and Physical Properties	Color: White Physical State: Liquid Boiling Point: 212 Fahrenheit Specific Gravity (H ₂ O=1): >1 Vapor Presence: about same as H ₂ O Percent Volatile: 32-37% Evaporation Rate (Butyl Acetate=1): <1	Odor: Pungent Odor Odor Threshold: Unknown Melting Point: N/A Freezing Point: 32 Fahrenheit Solubility in H ₂ O: Soluble pH (undiluted): 8 to 8.5 Vapor Density (Air=1): <1
Ingredients C.A.S. Numbers	Modified Acrylic Polymer Titanium Dioxide Calcium Carbonate Zinc Borate Barium Sulfate Ethylene Glycol Ammonia Trimethyl Pentandiol Monoisobutyrate Mineral Spirits Ceramic Micro Spheres	Proprietary (non-hazardous) C.A.S. #: 13463-67-7 C.A.S. #: 1317-65-3 C.A.S. #: 138265-88-0 C.A.S. #: 7727-43-7 C.A.S. #: 107-21-1 C.A.S. #: 7664-41-7 C.A.S. #: 25265-77-4 C.A.S. #: 8052-41-3 C.A.S. #: 66402-68-4
Fire Protection Information	Decomposition/Combustion: Flash Point: Recommended Extinguishing Media: Flammable Limits:	N/A N/A; Does Not Burn N/A N/A
Storage and Reactivity	Hazardous Polymerization: Storage Conditions: Toxic Products Which May Form:	Will Not Occur Keep from Freezing None
Transportation	Hazard Classes: Hazard Labels: Hazard Determination: Shipping Containers: Shipping Class:	None; Not Hazardous Not Required MSD Sheet Varies Class 55; Water Based Paint

Health Hazard Data	SHORT TERM EXPOSURE	
	Route of Entry: Inhalation: Skin:	Precautionary Treatment Expected None Expected None
	Eyes:	Flush Immediately with large amounts of water for at least 15 minutes, holding eyelids open. Call a physician if irritation persists
	Ingestion:	Call a physician if significant amounts have been Swallowed. Give patient large amounts of water or milk for dilution.
Personal Protection	LONG TERM EXPOSURE	
	Carcinogen: Target Organ Effects: Other Health Hazards:	None None None Known
Spill or Leak Protection	Respiratory Protection: Protective Clothing: Ventilation: Other Protective Measures: Eye Protection:	No inhalation hazard expected None Required Local None Safety Glasses
Treatability	Accidental Release or Spill: Neutralizing Chemical/Media:	Collect liquid or solidify with absorbent package for disposal N/A
Labeling	Biodegradability: With water prior to cure. Influence on Biological Wastewater Treatment: None Other Impacts on Wastewater Treatment: None Recommended Wastewater Treatment: Dilutable Constituents Interfering With or Not Amenable to Biological or Wastewater Treatment: None	
Waste Disposal	Explanation of Unique Labeling System: None Used	
	Dispose of in accordance with Federal, State and Local guidelines.	

EMERGENCY & INFO: 1-888-559-0297

Form based on O.S.H.A. Form 20. Information presented herein has been compiled from sources to be reliable and is accurate and reliable to be the best of our knowledge and belief but is not guaranteed to be so.