



THERMAL GUARD

ELASTOMERIC ACRYLIC CERAMIC POLYUREA
SOLARGUARD SUPER PLUS
 WATERPROOFING & INSULATING
 HIGH DURABILITY PONDING WATER LOW-SLOPED ROOF FORMULA

PRODUCT
 DATA
#7-535
04/24/13

PRODUCT DESCRIPTION:

SOLARGUARD SUPER PLUS is a Matte Finish, Bright White, Elastomeric Acrylic Polyurea, Insulative and Reflective Ceramic, Waterproofing High Durability Ponding Water Formula, Protective Roof Coating and Ponding Water Area Topping. Innovative Resin Technology combines a superior blend of elastomeric acrylic resin and a single component polyurea to form a super strength high durability ponding water coating and ponding water area topping. Use as either: 1- a complete three coat system which includes a primer coat of ULTRABOND or RUSTGUARD and two coats of **SOLARGUARD SUPER PLUS** or 2- as the third and final coat over one coat of primer and one coat of SOLARGUARD PLUS, or 3- as a ponding water area topping over the completed System. A water-based, high build formula that possesses waterproofing, insulating and soundproofing properties that beautifies, protects and extends the life of most any sloped and low-sloped roofing surfaces. Designed for well drained low-sloped and 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. Unsurpassed in technology, **SOLARGUARD SUPER PLUS** is an energy saving reflective coating that offers extended ponding water resistance, superior mildew resistance, ceramic insulation & soundproofing, excellent adhesion, U.V. ray reflectivity and a beautiful matte finish. An energy saving coating that combats the destructive environmental forces of nature. **SOLARGUARD SUPER PLUS** qualifies for the CLASS A Fire Rating Test as per ASTM E84-01, NFPA 101 Life Safety Code. This easy to apply roof coating system will provide many years of durable protection and outstanding beauty and will extend the roof's life. **SOLARGUARD SUPER PLUS** is an inexpensive alternative solution to roofing and re-roofing. **SOLARGUARD SUPER PLUS** offers a 12 YEAR LIMITED MATERIAL WARRANTY on sloped roofs and a 7 YEAR LIMITED MATERIAL WARRANTY on qualifying low-sloped roofs.

PRODUCT USES:

Use as either: 1- a complete three coat system which includes a primer coat of ULTRABOND or RUSTGUARD and two coats of **SOLARGUARD SUPER PLUS** or 2- as the third and final coat over one coat of primer and one coat of SOLARGUARD PLUS, or 3- as a ponding water area topping over the completed SOLARGUARD PLUS System. 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 -at or barrel), primed synthetic or aluminum, adobe, slate, slab, properly prepared EPDM, and various other substrates. **SOLARGUARD SUPER 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 SUPER 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 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.

Use a degreaser on galvanized or coated metals which have oils or surface treatments. Check **SOLARGUARD SUPER 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 w/ Polyurea	RECOAT:	12 Hours
SOLIDS by WEIGHT:	61 +/- 2	CURE TIME:	5 to 7 Days
SOLIDS by VOLUME:	48 +/- 2	SIZES:	5 Gal., 55 Gal.
V.O.C.'s (averages):	.45 lbs./gal. • 54.0 g/liter	GALLON WEIGHT:	11.1 lbs. +/- .3 lbs.
<i>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.</i>			



MATERIALS HEALTH, SAFETY AND ENVIRONMENTAL DATA SHEET

**MSDS#:
7-535**

Product Identification	Product Name: SOLARGUARD SUPER PLUS Product Code #: 7-535 General Usage: Exterior Roof Coating Finish Coat General Description: Pigmented Latex Coating With Polyurea CAS. 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 H₂O Percent Volatile: 34-39 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
Fire Protection Information	Decomposition/Combustion: N/A Flash Point: N/A; Does Not Burn Recommended Extinguishing Media: N/A Flammable Limits: N/A	
Storage and Reactivity	Hazardous Polymerization: Will Not Occur Storage Conditions: Keep from Freezing Toxic Products Which May Form: None	
Transportation	Hazard Classes: None; Not Hazardous Hazard Labels: Not Required Hazard Determination: MSD Sheet Shipping Containers: Varies Shipping Class: Class 55; Water Based Paint	
Container Labeling	Explanation of Unique Labeling System: None Used	

	SHORT TERM EXPOSURE	
Health	Route of Entry: Inhalation: Skin: Eyes:	Precautionary Treatment Expected None Expected None Flush Immediately with large amounts of water for at least 15 minutes, holding eyelids open. Call a physician if Irritation persists
Hazard Data	Ingestion:	Call a physician if significant amounts have been swallowed Give patient large amounts of water or milk for dilution.
	LONG TERM EXPOSURE	
	Carcinogen: Target Organ Effects: Other Health Hazards:	None None None Known
Personal Protection	Respiratory Protection: Protective Clothing: Ventilation: Other Protective Measures: Eye Protection:	No inhalation hazard expected None Required Local None Safety Glasses
Spill or Leak Protection	Accidental Release or Spill: Neutralizing Chemical/Media:	Collect liquid or solidify with absorbent package for disposal N/A
Treatability	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	
Recommended Waste Disposal	Dispose of in accordance with Federal, State and Local guidelines.	

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.

EMERGENCY & INFO: 888-559-0297