



Elastomeric Acrylic Ceramic

## SOLARGUARD SINGLE COAT

Matte Finish One Coat Roof Coating

Product Data

# 7-520

3/27/12

### PRODUCT DESCRIPTION:

**SOLARGUARD SINGLE COAT** is a Matte Finish, Bright White, Elastomeric Acrylic, Reflective, Insulating Ceramic, Waterproofing Protective, High Build One Coat **ENERGY STAR**® Roof Coating. It is water-based and possesses waterproofing, insulating and soundproofing properties that beautifies, protects and extends the life of most any sloped roofing surface. It forms a thick rubber like ceramic shield of protection that expands and contracts with varying hot and cold temperatures. Unsurpassed in technology, **SOLARGUARD SINGLE COAT** 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. An energy saving coating that combats the destructive environmental forces of nature. **SOLARGUARD SINGLE COAT** is ASTM D-6083 Compliant and qualifies for the CLASS A Fire Rating as per ASTM E84-01, NFPA 101 Life Safety Code. This easy to apply One Coat Roof Coating System will provide many years of durable protection and outstanding beauty. **SOLARGUARD SINGLE COAT** is an inexpensive alternative solution to roofing and re-roofing. **SOLARGUARD SINGLE COAT** offers a 10 YEAR LIMITED MATERIAL WARRANTY.

### SOLARGUARD SINGLE COAT USES:

Recommended for well-draining, SLOPED roofing surfaces only. 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 SINGLE COAT** 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 SINGLE COAT** 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 SINGLE COAT** 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, and 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 at 22 to 24 mils wet film thickness resulting in a minimum 11 mil total dry film thickness which 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 all 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%		<b>TECHNICAL SPECIFICATIONS:</b>		Rates & Times May Vary Beyond Specifications	
FINISH:	Matte	SPREAD RATE:	50 - 75 sq. ft. per gallon		
COLOR:	White, Deep & Clear Base	DRY to TOUCH:	2 to 4 Hours		
VEHICLE TYPE:	Copolymer Emulsion	RECOAT:	12 Hours(if necessary)		
SOLIDS by WEIGHT:	65% +/- 2%	CURE TIME:	5 to 7 Days		
SOLIDS by VOLUME:	51% +/- 2%	SIZES:	1 Gal., 5 Gal., 55 Gal.		
V.O.C.'s (averages):	0.38 lbs ./gal. • 46 g/liter	GALLON WEIGHT:	11.7 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.*

<b>Product Identification</b>	Product Name: <b>SOLARGUARD SINGLE COAT</b> Product Code #: <b>7-520</b> General Usage: Exterior Roof Coating Finish Coat General Description: Pigmented Latex Coating C.A.S. Number: None Established; Mixture	
<b>Manufacturer Information</b>	Meridian Coatings 200 Eagles Nest Drive, Bldg 300, Ste B Canton, GA 30115	
<b>Chemical and Physical Properties</b>	Color: White Physical State: Liquid Boiling Point: 212 Fahrenheit Specific Gravity (H <sub>2</sub> O=1): >1 Vapor Presence: about same as H <sub>2</sub> O Percent Volatile: 31-36% Evaporation Rate (Butyl Acetate=1): <1	Odor: Pungent Odor Odor Threshold: Unknown Melting Point: N/A Freezing Point: 32 Fahrenheit Solubility in H <sub>2</sub> O: Soluble pH (undiluted): 8 to 8.5 Vapor Density (Air=1): <1
<b>Fire Protection Information</b>	Decomposition/Combustion: Flash Point: Recommended Extinguishing Media: Flammable Limits:	N/A N/A; Does Not Burn N/A N/A
<b>Storage and Reactivity</b>	Hazardous Polymerization: Storage Conditions: Toxic Products Which May Form:	Will Not Occur Keep from Freezing None
<b>Transportation</b>	Hazard Classes: Hazard Labels: Hazard Determination: Shipping Containers: Shipping Class:	None; Not Hazardous Not Required MSD Sheet Varies Class 55; Water Based Paint
<b>Container Labeling</b>	Explanation of Unique Labeling System:	None Used

<b>Health Hazard Data</b>	<b>SHORT TERM EXPOSURE</b>	
	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.
<b>Personal Protection</b>	<b>LONG TERM EXPOSURE</b>	
	Carcinogen: Target Organ Effects: Other Health Hazards:	None None None Known
<b>Spill or Leak Protection</b>	Respiratory Protection: Protective Clothing: Ventilation: Other Protective Measures: Eye Protection:	No inhalation hazard expected None Required Local None Safety Glasses
<b>Treatability</b>	Accidental Release or Spill:  Neutralizing Chemical/Media:	Collect liquid or solidify with absorbent package for disposal  N/A
<b>Recommended Waste Disposal</b>	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	
	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.*