



CLEAR URETHANE ACRYLIC **SOLARGUARD™** PROTECTIVE CLEAR GLOSS SOLAR PANEL COATING

PRODUCT
DATA
#791010/01/25
superseeding: n/a**PRODUCT DESCRIPTION:**

SOLARGUARD™ is an acrylic urethane, high-performance commercial grade clear gloss sealer and protective coating. This is a zero V.O.C. waterborne formulation of acrylic and urethane resins. New technology gives the convenience of water clean up while surpassing the durability of solvent-based products. Designed specifically for Glass Solar Panels but can be used on most glass surfaces. Check for adhesion and compatibility before doing the entire area. It has excellent penetration on porous surfaces and superior adhesion on non-porous or compatible previously coated surfaces. SOLARGUARD™ possesses excellent durability and provides for increased water and chemical resistance plus superior resistance to ultraviolet degradation. Film hardness provides excellent mar, scratch and abrasion resistance. SOLARGUARD™ dries to a beautiful decorative, non-yellowing clear gloss finish. SOLARGUARD™ is an easily maintained protective finish that will last for many years and has excellent recoatability.

SOLARGUARD™ USES:

SOLAR GUARD™ can be used as a commercial grade clear sealer and clear top coat on most any interior or exterior surface. It can be used on either uncoated or previously painted surfaces. SOLARGUARD™ may not be compatible over some surfaces. To insure compatibility, test a small area and check it after 48 hours.

SURFACE PREPARATION:

For proper adhesion and penetration it is essential that the surface be properly prepared. Surface must be pressure washed with at least 1500 P.S.I. of pressure using a water and chlorine solution (approx. 1 qt. of chlorine to 5 gal. of water). Thoroughly remove all dirt, oil, grease, residues, mold, mildew, algae and any other surface contaminants. Severe mildew requires a stronger concentration of chlorine. TSP (Tri-Sodium Phosphate) should be used to clean oil and grease stains.

GLASS SOLAR PANELS:

Surface should be pressure washed and then wiped down with vinegar to remove any remaining residue.

APPLICATION PROCEDURE:

Stir well before using. Do not apply when temperatures are below 40 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. 1 to 2 hours). Do not apply the product to hot surfaces directly in sunlight, this may cause the coating to dry too quickly and reduce or prevent proper penetration and adhesion. Drying time will vary depending on temperature, humidity and location. Apply using brush, roller or spray. Apply uniformly and do not leave puddles or build ups.

GLASS SOLAR PANEL APPLICATION:

Apply SOLARGUARD™ using a low pressure sprayer or hand pump sprayer. Use a foam brush to feather in any runs or drips.

Wait at least 1 to 2 hours between coats, but application of second coat recommended within 48 hours to insure proper bonding between coats. SOLARGUARD™ will not water spot after drying for 2 to 3 hours.

CLEAN UP:

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

*STRICT MANUFACTURER's SURFACE PREPARATION and APPLICATION PROCEDURES must be followed.
Deviations from these procedures will void any fitness and use of this product.*

Due to many critical variables and unforeseen conditions not associated with the product, there is NO WARRANTY expressed or implied for this Product.

Ambient Temperature of 77°F and RH of 50%

TECHNICAL SPECIFICATIONS:

Rates & Times May Vary Beyond Specifications

FINISH:	Gloss (depends on coats)	SPREAD RATE:	400 to 500 sq.ft./gal.
COLOR:	Clear	DRY to TOUCH:	1 to 2 Hours
VEHICLE TYPE:	Copolymer Emulsion	RECOAT:	2 Hours
SOLIDS by WEIGHT:	12% +/- 2%	CURE TIME:	5 to 7 Days
SOLIDS by VOLUME:	11% +/- 2%	SIZES:	1 Gal., 5 Gal., 55 Gal.
V.O.C.'s (averages):	Zero V.O.C.	GALLON WEIGHT:	8.4 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.

In Any Event Nationwide Protective Coating Manufacturers, Inc. will not be liable or responsible for any past, present or future leaks or any resulting consequential or incidental damages.



MATERIALS HEALTH, SAFETY AND ENVIRONMENTAL DATA SHEET

MSDS#:
7910

Product Identification	Product Name: SOLARGUARD™ Product Code #: 7910 General Usage: Clear Urethane Acrylic Clear Coating General Description: Non-Pigmented Urethane Acrylic Coating C.A.S. Number: None Established; Mixture	
Manufacturer Information	Manufacturer's Name: Nationwide Protective Coating Mfrs., Inc. Address: 7106 24th Court East; Sarasota, FL 34243-3993 Emergency Telephone: 1-800-423-7264 or 941-753-7500 Information: 1-800-423-7264 or 941-753-7500 Web Site: www.nationwidecoatings.com E-Mail: info@natcoat.net Date Effective: January 1 st , 2023	
Chemical and Physical Properties	Color: Clear Physical State: Liquid Boiling Point: 212 Fahrenheit Specific Gravity (H ₂ O=1): >1 Vapor Presence: about same as H ₂ O Percent Volatile: 83-88% Evaporation Rate (Butyl Acetate=1): <1 Odor: Mild Odor Odor Threshold: Unknown Melting Point: N/A Freezing Point: 32 Fahrenheit Solubility in H ₂ O: Soluble pH (undiluted): 7.5 to 8 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	
Health Hazard Data		SHORT TERM EXPOSURE
Health Hazard Data		Route of Entry: Inhalation: Skin: Eyes: Ingestion: 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 Call a physician if significant amounts have been Swallowed. Give patient large amounts of water or milk for dilution.
Health Hazard Data		LONG TERM EXPOSURE
Health Hazard Data		Carcinogen: None Target Organ Effects: None Other Health Hazards: None Known
Personal Protection		Respiratory Protection: No inhalation hazard expected Protective Clothing: None Required Ventilation: Local Other Protective Measures: None Eye Protection: Safety Glasses
Spill or Leak Protection		Accidental Release or Spill: Collect liquid or solidify with absorbent package for disposal Neutralizing Chemical/Media: 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.

EMERGENCY & INFO: 1-800-423-7264

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: 941-753-7500