



ELASTOMERIC ACRYLIC CERAMIC
DECK GUARDIAN™
 HIGH BUILD WATERPROOFING
 URETHANIZED DECK-OVER COATING

**PRODUCT
 DATA**
#5625

01/01/18
superseding: 05/12/16

PRODUCT DESCRIPTION:

DECK GUARDIAN™ is an elastomeric waterproofing acrylic, insulating ceramic, high build, wood and concrete urethanized deck-over coating. It is a high technology waterborne formulation of elastomeric, 100% acrylic resin and urethane resulting in a flexible, yet tough and durable, aesthetically pleasing deck surface coating. **DECK GUARDIAN™** can expand and contract with porous wood, yet is durable and hard enough to accommodate deck traffic. **DECK GUARDIAN™** effectively penetrates, seals, waterproofs and protects new wood and aged wood while resisting moisture penetration, and subsequent rotting and decay, thus protecting against cracking, splitting and warping of wood. **DECK GUARDIAN™** can fill dimensionally unstable cracks up to 1/4". It has excellent mildew resistance and possesses ultraviolet resisting pigments that slow down the damaging effects of the sun's U.V. rays. It protects and beautifies wood surfaces. **DECK GUARDIAN™** qualifies for a Class A Fire Rating. Longevity and wear is relative to the amount of foot traffic to which the product is subjected. Periodic recoating of high traffic areas may be necessary. **DECK GUARDIAN™** has a sand pumice mixture additive called **DECK GUARDIAN SKID-TEX™** that can be added prior to coating to create a beautiful texture finish with excellent anti-skid properties. The amount of **DECK GUARDIAN SKID-TEX™** can be adjusted to be a light texture or heavy texture depending on desired preference. **DECK GUARDIAN™** is ideal for waterproofing and restoration of damaged decks and patios instead of total replacement.

PRODUCT USES:

DECK GUARDIAN™ can be used on interior or exterior new or old: wood, plywood, composite wood, masonry and concrete surfaces. **DECK GUARDIAN™** possesses excellent adhesion and can be used over previously coated or stained, well weathered surfaces using proper preparation. Check for compatibility by testing an area and checking after 72 hours for adhesion and compatibility. **DECK GUARDIAN™** is excellent for use on decks, docks and spas.

SURFACE PREPARATION:

For proper adhesion and penetration it is essential that the surface is prepared properly. Smooth new wood should be lightly sanded with 80 to 100 grit sandpaper to remove mill glaze. Pressure wash all other wood with a water and chlorine solution using at least 1500 P.S.I. to remove any previous coatings, mildew, dirt, grease, grime and other foreign materials. If wood is weathered and has remained dark or silver gray after pressure washing, apply a solution of 1 part chlorine and 2 parts water and scrub with a stiff brush, then pressure wash again. Pressure treated wood must be weathered, dried and aged a minimum of 6 months before coating. All surfaces must be completely dry before applying **DECK GUARDIAN™**. Do not coat soaked, wet or moist wood with this product!

APPLICATION PROCEDURE:

Stir well before using. If applicable, add desired amount of **DECK GUARDIAN SKID-TEX™** by using a mechanical mixer. Gradually add the **DECK GUARDIAN SKID-TEX™** as you are spinning the product. Do not apply when temperatures are below 45 degrees Fahrenheit, or when humidity is very high. Do not apply to extremely hot surfaces or in direct sunlight. The surface must be dry and free of all moisture. On uncoated wood, reduce the first coat only, with 1 pint water per gallon to achieve penetration. Coat from a dry area into an adjoining wet coated area. Keep the leading edge wet and distribute the product evenly. Quickly remove puddles and excess material. Use natural breaks as boundaries and coat individual boards from end to end. Do not apply when coating will be subjected to rain or heavy dew before it has had enough time to dry (approximately 1 to 2 hours). Drying time will vary from location to location depending on weather conditions.

Stir product occasionally during use, especially when **DECK GUARDIAN SKID-TEX™** is added. Apply using brush, roller or appropriate spray equipment (hopper type sprayer will be necessary when **DECK GUARDIAN SKID-TEX™** is being used). Do not apply too heavily so that puddling occurs. When spraying, back roll with a thick nap roller cover. When rolling, use a thick nap roller cover. Sets to touch in approximately 1-2 hours. Wait at least 12 hours before recoating. Two coats of **DECK GUARDIAN™** are recommended. Extremely cracked and damaged surfaces may require additional coats. Apply as it is from the container, unless otherwise specified. Wait 24 to 48 hours for foot traffic, and at least 72 hours before placing any furniture on the coated surface, depending on weather conditions.

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 to 150 sq.ft./gal.		
COLOR:	Deep Base	DRY to TOUCH:	1-2 Hours		
VEHICLE TYPE:	Copolymer Emulsion	RECOAT:	12 Hours		
SOLIDS by WEIGHT:	55% +/- 2%	CURE TIME:	5 to 7 Days		
SOLIDS by VOLUME:	43% +/- 2%	SIZES:	1 Gal., 5 Gal., 55 Gal.		
V.O.C.'s (averages):	.38 lbs./gal. • 45.5 g/liter	GALLON WEIGHT:	10.95 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.					



MATERIALS HEALTH, SAFETY AND ENVIRONMENTAL DATA SHEET

MSDS#: 5625

Products Identification	Product Name: DECK-GUARDIAN™ Product Code #: 5625 General Usage: High Build Deck-Over Coating General Description: 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 , 2014	
Chemical and Physical Properties	Color: Transparent Physical State: Liquid Boiling Point: 212 Fahrenheit Specific Gravity (H ₂ O=1): >1 Vapor Presence: about same as H ₂ O Percent Volatile: 55-60% Evaporation Rate (Butyl Acetate=1): <1	Odor: Mild 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: 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
Container Labeling	Explanation of Unique Labeling System: None Used	

Health Hazard Data	SHORT TERM EXPOSURE	
	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.
	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.	

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