



ACRYLIC WITH SILICONE
WATERSEAL™
 CONCRETE & MASONRY
 CLEAR SEALER

PRODUCT DATA
#5500
07/20/10
superseding: 07/22/08

PRODUCT DESCRIPTION:

WATERSEAL™ is a waterborne Acrylic Urethane with Silicone, Clear Sealer and Preservative for most concrete and masonry surfaces. It is a unique formula that retards efflorescence, chalking, erosion, cracking, moisture vapor penetration, mildew and other damaging effects due to water penetration. **WATERSEAL™** has the durability of solvent based products, but gives the convenience of water clean up with no harmful fumes. It has excellent penetration on porous surfaces and good adhesion on non-porous surfaces.

WATERSEAL™ is a waterproofing, protective coating that highlights the natural beauty in the colors of the surface to which it is applied. It is a fast drying and non-yellowing clear gloss sealer finish. Gloss may be minimal but can be increased with multiple coats. Hazing may occur when excessive build up of the sealer is exposed to moisture.

PRODUCT USES:

WATERSEAL™ can be used on uncoated or previously coated stucco, masonry, cement, adobe, stone and brick. Concrete must cure at least 28 days before being sealed. For residential and commercial applications.

WATERSEAL™ may not be compatible over some previously coated surfaces such as products with silicone. To insure compatibility, test a small area and check for adhesion after 48 hours.

WATERSEAL™ is not recommended for traffic areas or floors. For floors and traffic areas inquire about **CRETE-CLEAR™**, Sealer and Preservative.

SURFACE PREPARATION:

For proper adhesion and penetration it is essential that the surface be properly prepared. Surface must be pressure washed with a water and chlorine solution using at least 1500 P.S.I. to remove all loose surface material. Rinse well with water only and allow to dry for at least 12 hours before applying **WATERSEAL™**. The surface must be completely dry and free from all wax, grease, oil, dirt, loose or flaking material, acid substance and soap deposits.

APPLICATION PROCEDURE:

Stir well before using. Do not apply when temperatures are below 45 degrees Fahrenheit, or when humidity is very high. Do not apply to extremely hot surfaces. The surface must be dry and free of all moisture. Do not apply when sealer 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. Apply using brush, roller or spray. Do not apply too heavily so that puddling occurs. When spraying, back roll with a thin nap roller cover. When rolling, use a thin nap roller cover. Sets to touch in approximately 1 hour, and dries in approximately 1 to 2 hours. Wait at least 2 hours before recoating. Two coats of **WATERSEAL™** are recommended. Coating will appear to be blue, but will clear out as it dries. Do not thin this product; apply as it is from the container.

Sprayers:

Pump up stain sprayers can be used. Airless Sprayers may be too powerful, adjust pressure and other settings to spray a uniform amount of product without making runs, back roll with a thin nap roller cover.

CLEAN UP:

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

GLOSS CHARACTERISTICS:

For increased gloss, multiple coats can be applied, but sealer will also be more sensitive to blushing with increased film buildup. ASTM D523 (Standard Test Method for Specular Gloss) Gloss will be 70-80 degrees when applied to a non-porous substrate and when applied over a latex roof coating it will be 50-70 degrees.

WATERSEAL™ MAINTENANCE:

For continued protection, recoat surface using **WATERSEAL™** approximately every 3 to 5 years, or when desired gloss is no longer present.

NOTE: Blushing, whitening and/or hazing may occur if (1) surface is not completely dry and free of all moisture, (2) product is applied to extremely hot surfaces or (3) product puddles or is applied too thick.

Concrete

Ambient Temperature of 77°F and RH of 50%		TECHNICAL SPECIFICATIONS:		Rates & Times May Vary Beyond Specifications	
FINISH:	Gloss	SPREAD RATE:	350 to 450 sq. ft./gal.		
COLOR:	Clear	DRY to TOUCH:	1 to 2 Hours		
VEHICLE TYPE:	Copolymer Emulsion	RECOAT:	2 to 4 Hours		
SOLIDS by WEIGHT:	14% +/- 2%	CURE TIME:	5 to 7 Days		
SOLIDS by VOLUME:	12% +/- 2%	SIZES:	1 Gal., 5 Gal., 55 Gal.		
V.O.C.'s (averages):	.50 lbs./gal. • 60.0 g/liter	GALLON WEIGHT:	8.5 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>					

In Any Event Nationwide Chemical 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#:
5500**

Product Identification	Product Name: WATERSEAL™ Product Code #: 5500 General Usage: Concrete & Masonry Watersealer & Preservative General Description: Non-Pigmented Latex Coating C.A.S. Number: None Established; Mixture	
Manufacturer Information	Manufacturer's Name: Nationwide Chemical 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 , 2005	
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: 81-86% 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: 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