



ACRYLIC URETHANE with SILICONE COMMERCIAL GRADE
ACRATHANE™
 CONCRETE, MASONRY & DECK
 SATIN FINISH STAIN & PAINT

PRODUCT DATA
 #5875
 08/07/08
superseding: 06/21/06

PRODUCT DESCRIPTION:

ACRATHANE™ is a satin finish, acrylic urethane with silicone, high-performance commercial grade concrete, masonry and deck stain, paint, sealer and protective preservative. This is a low V.O.C. waterborne formulation of acrylic and urethane resins with a silicone additive. New technology gives the convenience of water clean up while surpassing the durability of solvent-based paints and stains. It has excellent penetration on porous surfaces and superior adhesion on non-porous or compatible previously coated surfaces. ACRATHANE™ contains a high concentration of urethane resin, which provides for increased water and chemical resistance plus superior resistance to ultraviolet degradation. Film hardness is also increased due to the urethane, which results in excellent mar, scratch and abrasion resistance. It contains silicone for excellent protection against hot tire pick up. ACRATHANE™ dries to a beautiful decorative satin finish and is also available in a non-yellowing clear gloss sealer finish, inquire about ACRACLEAR™. It is an easily maintained protective finish that will last for many years and has excellent recoatability. For increased performance and exceptional durability, inquire about CRETE-GRIP™, an adhesive bonding primer.

ACRATHANE™ USES:

ACRATHANE™ can be used as a Commercial Concrete Stain, Concrete Paint, Brick Sealer and/or Floor Paint on most any interior or exterior masonry/concrete surface such as driveways, patios, courts, floors, walkways, garage floors, pool decks, warehouse floors, shop floors and much more. It can be used on either uncoated or previously painted or stained surfaces. It can also be used on asphalt surfaces but in some cases requires multiple coats. Fresh concrete must cure at least 28 days before being stained. ACRATHANE™ may not be compatible over some previously coated surfaces. To insure the compatibility of ACRATHANE™ 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. Acid etching is required on all surfaces after pressure cleaning. Follow the product directions and precautions on the Muriatic Acid Container. Smooth surfaces must be acid etched at least twice to insure proper penetration. Visible pores in uncoated concrete must appear before applying the product, repeat acid etching until pores appear visible in surface. Rinse the surface well with water and allow it to dry completely, for at least 12 hours before applying ACRATHANE™. The surface must be completely dry & free from any wax, grease, oil, dirt, loose or flaking material, acid substance and soap deposits.

OPTIONAL PRIMER: We strongly recommend CRETE-GRIP™, an adhesive bonding and penetrating primer for most uncoated and previously coated or stained surfaces, before applying ACRATHANE™. If CRETE-GRIP™ is applied, follow the CRETE-GRIP™ Surface Preparation and Application Procedure on Data Sheet or the CONCRETE STAIN & PAINT APPLICATION PROCEDURES SHEET. Proceed to the PREVIOUSLY COATED or PRIMED SURFACES section below.

APPLICATION PROCEDURE: *(Request a Detailed Concrete Stain & Paint Product's Application Procedure Sheet)*

Stir well before using. Do not thin unless required by the application procedure. 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). 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 it uniformly and do not leave puddles or build ups. Spread Rate will vary depending on surface.

POROUS or UNCOATED SURFACES:

Thin the first coat with 1 pint of water per gallon of ACRATHANE™ (1 part water to 8 parts product), to achieve maximum penetration. Let first coat dry at least 4 hours and then apply a second coat of ACRATHANE™ at full strength as it comes from the container.

PREVIOUSLY COATED or PRIMED SURFACES:

Apply the first and second coats as is from the container without thinning. Wait at least 4 hours between coats, but no more than 48 hours to insure proper bonding between coats. Let the final application dry at least 24 hours before allowing light traffic (foot traffic) and at least 4 days before heavy traffic (vehicle traffic). High humidity or rain (moisture) will increase the cure time of ACRATHANE™.

CLEAN UP:

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

TROUBLESHOOTING:

Due to many critical variables and unforeseen conditions, problems not associated with the product may occur with the coating application. To help prevent these potential problems, apply a coat of CRETE-GRIP™ to the affected area(s). Follow the Surface Preparation and Application Procedure on the CRETE-GRIP™ Data Sheet or the CONCRETE STAIN & PAINT APPLICATION PROCEDURES SHEET. Once CRETE-GRIP™ has been applied, follow PREVIOUSLY COATED or PRIMED SURFACES section above.

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:	Satin	SPREAD RATE:	250 - 350 sq.ft. per gallon		
COLOR (Tintable):	White, Deep & Clear Base	DRY to TOUCH:	2 to 4 Hours		
VEHICLE TYPE:	Copolymer Emulsion	RECOAT:	6 Hours		
SOLIDS by WEIGHT:	42% +/- 2%	CURE TIME:	5 to 7 Days		
SOLIDS by VOLUME:	32% +/- 2%	SIZES:	1 Gal., 5 Gal., 55 Gal.		
V.O.C.'s (averages):	1.3 lbs./gal. • 158 g/liter	GALLON WEIGHT:	10.6 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 Chemical Coating Manufacturers, Inc. will not be liable or responsible for any of its products applied not following Strict Manufacturer's Application Procedures.



MATERIALS HEALTH, SAFETY AND ENVIRONMENTAL DATA SHEET

**MSDS#:
5875**

Product Identification	Product Name: ACRATHANE™ Product Code #: 5875 General Usage: Industrial Concrete Paint, Stain, Sealer & Preservative General Description: Pigmented Latex Paint Stain 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: Pigmented Satin Physical State: Liquid Boiling Point: 212 Fahrenheit Specific Gravity (H ₂ O=1): >1 Vapor Presence: about same as H ₂ O Percent Volatile: 53-58% 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	

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: None Target Organ Effects: None Other Health Hazards: 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	Unused Material: Container Disposal: Spent Material: Hazardous Disposal:	Solid Waste Landfill Landfill Solid Waste Landfill N/A

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