




ACRYLIC INDUSTRIAL GRADE
AQUACLEAR™
CONCRETE, MASONRY, DECK & WET AREA
CLEAR GLOSS SEALER


PRODUCT DATA #4795
06/15/10
superseding: 07/21/09

PRODUCT DESCRIPTION:

AQUACLEAR™ is an acrylic, high-performance industrial grade concrete clear gloss, sealer and protective preservative. This is a low V.O.C. waterborne formulation of acrylic resins. New technology gives the convenience of water clean up while surpassing the durability of solvent-based products. It has excellent penetration on porous surfaces and superior adhesion on non-porous or compatible previously coated surfaces. AQUACLEAR™ 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, and excellent protection against hot tire pick up. AQUACLEAR™ dries to a beautiful decorative, non-yellowing clear gloss finish (Colored AQUAKOTE™ also available). AQUACLEAR™ is an easily maintained protective finish that will last for many years and has excellent recoatability.

AQUACLEAR™ USES:

AQUACLEAR™ can be used as a industrial grade clear concrete sealer, clear concrete paint, clear concrete stain, clear top coat, clear brick sealer, and clear floor paint on most any interior or exterior masonry/concrete surface such as driveways, patios, courts, floors, walkways, pool decks 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 sealed. AQUACLEAR™ may not be compatible over some previously coated surfaces such as products with silicone. 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.

MURIATIC ACID CONCRETE ETCHING:

- BROOM FINISH: Pressure wash only.
- SMOOTH TROWELED CONCRETE SURFACES: (Garage Floors, Interior Warehouse Floors, Etc.)
Smooth surfaces must be acid etched to insure proper penetration. Visible pores in uncoated concrete must appear before applying the product. Repeat acid etching until visible pores appear in surface. (Surface should feel like 80 grit sandpaper).

Rinse the surface well with water and allow it to dry completely for at least 12 hours. The surface must be completely dry & free from any wax, grease, oil, dirt, loose or flaking material, acid substance and soap deposits before applying Concrete Stain or Paint Products.

OPTIONAL PRIMER: We strongly recommend CRETE-GRIP™, an adhesive bonding and penetrating primer for smooth troweled concrete. Note: CRETE-GRIP™ will give a darker appearance to the surface to which it is applied. If CRETE-GRIP™ is applied, follow the CRETE-GRIP™ Surface Preparation and Application Procedure on Data Sheet or the GENERAL CONCRETE SURFACE APPLICATION PROCEDURE SHEET. Proceed to the application procedure section below.

APPLICATION PROCEDURE: *(Request a Detailed General Concrete Surface Application Procedure Sheet)*

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. Spread Rate will vary depending on surface.

Thin the first coat with 1 quart water per gallon. Apply second coat as is from the container without thinning. Wait at least 1 to 2 hours between coats, but application of second coat recommended within 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 2 to 3 days before heavy traffic (vehicle traffic). High humidity will increase the cure time of AQUACLEAR™. AQUACLEAR™ 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.

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 GENERAL CONCRETE SURFACE APPLICATION PROCEDURE SHEET. Once CRETE-GRIP™ has been applied, follow the directions in the application procedure 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

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|----------------------|--------------------------|----------------|-----------------------------|
| FINISH: | Gloss | SPREAD RATE: | 300 - 400 sq.ft. per gallon |
| COLOR: | Clear | DRY to TOUCH: | 1 to 2 Hours |
| VEHICLE TYPE: | Acrylic Emulsion | RECOAT: | 1 to 2 Hours |
| SOLIDS by WEIGHT: | 28% +/- 2% | CURE TIME: | 3 to 5 Days |
| SOLIDS by VOLUME: | 23% +/- 2% | SIZES: | 1 Gal., 5 Gal., 55 Gal. |
| V.O.C.'s (averages): | 1.18 lbs./gal. • 141 g/l | GALLON WEIGHT: | 8.5 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#:
4795**

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| Product Identification | Product Name: AQUACLEAR™ Product Code #: 4795 General Usage: Industrial Concrete Clear Gloss Sealer General Description: Clear Gloss Sealer 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: 67-72% 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 | |

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| 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. | |