




EPOXY ESTER ADHESIVE BONDER
CRETE-GRIP™
CONCRETE & PREVIOUSLY COATED SURFACE
PRIMER & TROUBLESHOOTER

PRODUCT DATA
#5450
01/01/11
superseding: 02/15/10



PRODUCT DESCRIPTION:

High-performance CRETE-GRIP™ is a clear, non-pigmented, epoxy ester, penetrating primer for use over uncoated concrete surfaces. CRETE-GRIP™ is a low V.O.C. waterborne coating which will produce exceptional adhesion, penetration and bonding properties to porous concrete surfaces and superior adhesion and penetration to smooth troweled concrete. CRETE-GRIP™ will reduce most problems associated with concrete stains and paints when used as a primer coat. It is excellent for use as a bonding adhesive coat to remedy most defective areas of a previously coated concrete stain or paint application. New technology gives the convenience of water clean up and easy application while surpassing the performance of solvent-based primers and sealers. CRETE-GRIP™ is recommended for use before any compatible Concrete Stain, Epoxy or Paint Application. It is specifically designed for use as a primer for CRETE-GUARD™, ACRATHANE™ and AQUAKOTE™ Concrete Coating Products, but can be used with most compatible products. CRETE-GRIP™ can also be used as a primer for Clear Coats but tends to darken the surface color to which it is applied; test a small area before coating to determine if darkening is acceptable. It is an easily applied, high performance primer that has a very high spread rate and is quick drying so as not to significantly impact project costs.

CRETE-GRIP™ USES:

CRETE-GRIP™ can be used as an Adhesive Bonding Primer for compatible Concrete Stains, Epoxies, Concrete Paints, Brick, Clear Coats and/or Floor Paints on most any interior or exterior masonry/concrete and other deck surfaces such as driveways, patios, courts, floors, walkways, garage floors and much more. Fresh concrete must cure at least 28 days before being sealed. CRETE-GRIP™ may not be compatible over some previously coated surfaces. To insure the compatibility of CRETE-GRIP™, 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. Sandblasting or Acid Etching is not required when using CRETE-GRIP™. 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. The surface must be completely dry & free from any wax, grease, oil, dirt, loose or flaking material, acid substance and soap deposits.

APPLICATION PROCEDURE: *(Request a Detailed Product Data Sheet for Appropriate Top Coat)*

Stir well before using. Do not thin product. Do not apply when temperatures are below 45 degrees Fahrenheit or when humidity is very high. Do not apply when primer will be subjected to rain or heavy dew before it has had enough time to dry (approx. 10 hours). Do not apply the product to hot surfaces directly in sunlight; this may cause the coating to dry too fast 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.

POROUS or UNCOATED SURFACES:

Let CRETE-GRIP™ dry a mandatory minimum of at least 12 hours before applying the first coat of a compatible Concrete Stain, Clear Coat, Epoxy or Paint Product. Follow the directions for the Specific Top Coat being used. Do not thin first coat of the Top Coat Product if mentioned within their Product Data Sheet.

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:	200 - 300 sq.ft. per gallon
COLOR:	Clear	DRY to TOUCH:	10 Hours
VEHICLE TYPE:	Epoxy Ester	RECOAT:	12 to 14 Hours
SOLIDS by WEIGHT:	20% +/- 2%	CURE TIME:	1 to 2 Days
SOLIDS by VOLUME:	18% +/- 2%	SIZES:	1 Gal., 5 Gal., 55 Gal.
V.O.C.'s (averages):	.46 lbs./gal. • 55 g/liter	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 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#:
5450**

Product Identification	Product Name: CRETE-GRIP™ Product Code #: 5450 General Usage: Bonding Adhesive and Concrete Primer General Description: Un-Pigmented Latex Primer 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: 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: 75-80% 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