



EPOXY-ACRYLIC LATEX
CHALK FORCE™
 High pH SURFACE CONDITIONER
 ALKALI and CHALK SEALER

PRODUCT DATA
#2595
06/20/07
superseding: 04/24/06

Interior Paints
 Exterior Paints
 Wall Coatings
 Concrete
 Specialty

PRODUCT DESCRIPTION:

CHALK-FORCE™ is an epoxy-acrylic, high performance surface conditioner and chalk sealer that is designed to provide a firm surface for application of latex paints and coatings. It seals high pH (pH of 13 or less) cementitious surfaces. It eliminates the 28 day curing period for fresh cementitious surfaces. This single component, fully crosslinked emulsion polymer product, provides many of the attributes of more expensive polyurethane and epoxy products. This is a low V.O.C. waterborne formulation of new technology that gives the convenience of water clean up while surpassing the durability and performance of solvent based products. It has excellent penetration on porous surfaces and superior adhesion on non-porous or compatible previously coated surfaces. It binds chalky, powdery or porous surfaces, especially badly weathered cement or stucco. **CHALK-FORCE™** has excellent efflorescence and alkali resistance.

CHALK-FORCE™ penetrates the existing surface, bonding the previous coating back together, leaving a chalk free, moisture resistant surface that can be recoated in 4 hours under normal drying conditions.

CHALK-FORCE™ provides ease of application, quick drying time, and allows all top coatings to form a permanent bond for long life without fear of peeling due to poor substrate adhesion.

PRODUCT USES:

CHALK-FORCE™ is suitable for previously coated surfaces that are chalking. **CHALK-FORCE™** will penetrate and lock chalky surfaces in place leaving a substrate ready to accept any grade of top coating specified for the application.

SURFACE PREPARATION:

For proper adhesion and penetration it is essential that the surface is prepared properly. The surface must be pressure washed with at least 1500 P.S.I. to remove all loose dirt, mold, and excessive chalking. Allow the surface to dry completely before applying **CHALK-FORCE™**. The surface must be dry and free from all wax, grease, oil, dirt, loose or flaking material and soap deposits.

APPLICATION PROCEDURE:

Stir contents thoroughly. Do not thin this product, use as is from the container. Apply either by roller, brush or airless sprayer. Apply at temperatures above 45 degrees Fahrenheit. Wait 24 hours before applying to hot or high pH cementitious surfaces. Apply uniformly and do not leave build ups. Be sure to completely seal the surface by overlapping into wet areas.

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:	Flat	SPREAD RATE:	300 to 400 sq.ft./gal.
COLOR:	Clear	DRY to TOUCH:	2 to 4 Hours
VEHICLE TYPE:	Copolymer Emulsion	RECOAT:	4 Hours
SOLIDS by WEIGHT:	9% +/- 2%	CURE TIME:	5 to 7 Days
SOLIDS by VOLUME:	8% +/- 2%	SIZES:	1 Gal., 5 Gal., 55 Gal.
V.O.C.'s (averages):	.58 lbs./gal • 69.4 g/liter	GALLON WEIGHT:	8.9 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#:
2595**

Product Identification	Product Name: Chalk Force™ Product Code #: 2595 General Usage: Clear Acrylic Latex Surface Conditioner 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: 86-91% 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): 7.5 to 8 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: 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

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EMERGENCY & INFO: 941-753-7500