



**100% ACRYLIC MODIFIED CERAMIC
CERAMIC FORCE®
 INSULATING & SOUNDPROOFING
 EXTERIOR WALL & TRIM HOUSE PAINT**

PRODUCT DATA
 15 YEAR LIMITED MATERIAL WARRANTY
 #2500
 06/19/14
superseding: 03/31/09

PRODUCT DESCRIPTION:

CERAMIC FORCE® is an exterior, high quality, 100% acrylic modified, insulating ceramic waterproofing, wall and trim house paint. Formulated with 100% acrylic resin and ceramic fillers, CERAMIC FORCE® provides insulating and soundproofing values along with a uniform, easy to apply, excellent hiding beautiful latex finish. CERAMIC FORCE® possesses excellent Mildew Resistance and Antibacterial Properties. When applied according to specifications, CERAMIC FORCE® offers a 15 YEAR LIMITED MATERIAL WARRANTY.

CERAMIC FORCE® PRODUCT LINE:

- #2500 CERAMIC FORCE® 100% Acrylic Modified Ceramic FLAT Wall & Trim House Paint
- #2525 CERAMIC FORCE® 100% Acrylic Modified Ceramic SATIN Wall & Trim House Paint
- #2550 CERAMIC FORCE® 100% Acrylic Modified Ceramic SEMI-GLOSS Wall & Trim House Paint
- #2590 CERAMIC FORCE® 100% Acrylic Modified Ceramic FLAT Exterior Primer & Sealer
- #2595 CHALK-FORCE™ Epoxy Acrylic Chalk Sealer & High pH Hot Surface Sealer

CERAMIC FORCE® USES:

For use on walls and trim over a wide variety of surfaces such as exterior wood, concrete, brick, masonry, stucco, primed metal, and primed synthetic or aluminum siding. Excellent for apartments, condominiums, warehouses, motels, offices & residential dwellings.

SURFACE PREPARATION:

PREVIOUSLY PAINTED SURFACES:

Thoroughly clean surface of dirt, oil, grease, chalk or foreign matter by scraping, sanding, scrubbing and/or rinsing. Scrape off any loose, blistering, cracking or peeling paint using a wire brush and scraper. If peeling is extensive, strip, sand and prime the entire surface area. Sand all glossy surfaces before washing. This paint will resist mildew growth, but will not kill spores, which are nearly invisible and must be removed prior to painting. Scrub soiled, chalky or mildewed surfaces with a solution of one cup detergent, one quart household bleach and one gallon of water. Protect shrubbery and grass. Wash house from bottom up including eaves, soffit and fascia. The complete surface to be painted must be cleaned even if it looks clean, because invisible residues may cause peeling. Rinse surface thoroughly. Let dry 24 hours.

UNPAINTED SURFACES:

For best results use CERAMIC FORCE® Primer Sealer, before applying paint (may not seal stains).

Wood: Prime bare wood with one or two coats of Primer Sealer depending on condition of the surface. Sand weathered or discolored wood down to solid wood. Clean free of all dust, then prime. Wood knots should be spot primed with shellac. Pressure treated wood must be aged at least 6 months before it can be primed.

Metal: Clean surface of all grease, oil and foreign matter before priming. Rusted metal and galvanized metal must be primed with METAL-PRIME RED-OX™, a Red Iron Oxide Primer Sealer.

Masonry: Prime masonry before painting. New masonry must either be sealed with CHALK-FORCE™ or aged 60 days before priming.

APPLICATION PROCEDURE:

Stir well before using. Thinning is not recommended but if necessary use water sparingly. Do not apply when temperatures are below 40 degrees Fahrenheit or when humidity is very high. Do not apply when paint will be subjected to rain or heavy dew. Apply using brush, roller or spray. When rolling, apply in an "N" pattern first, then cross roll to spread paint, and finish with light roller strokes in downward direction. Always roll or brush from untouched into wet paint areas. Allow at least 4 hours to dry before applying a second coat. Spread uniformly. Two coats are required for the 15 Year Limited Material Warranty, and a Warranty Registration Certificate must be received by Nationwide within 90 days of paint application (inquire for details). Wait at least two weeks before washing the dry paint film. Coverage depends upon surface and porosity; 200 – 350 square feet per gallon.

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:	200 to 350 sq.ft./gal.
COLOR:	White, Deep & Clear Base	DRY to TOUCH:	2 to 4 Hours
VEHICLE TYPE:	Copolymer Emulsion	RECOAT:	4 Hours
SOLIDS by WEIGHT:	36% +/- 5%	CURE TIME:	5 to 7 Days
SOLIDS by VOLUME:	40% +/- 5%	SIZES:	1 Gal., 5 Gal., 55 Gal.
V.O.C.'s (averages):	.38 lbs./gal. • 45.2 g/liter	GALLON WEIGHT:	11.5 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.



MATERIALS HEALTH, SAFETY AND ENVIRONMENTAL DATA SHEET

MSDS#:
2500

Product Identification	Product Name: Ceramic Force® Flat Paint Product Code #: 2500 General Usage: Exterior Latex Paint General Description: Pigmented Latex Paint C.A.S. Number: None Established; Mixture	
Manufacturer Information	Manufacturer's Name: Nationwide Protective 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: White Physical State: Liquid Boiling Point: 212 Fahrenheit Specific Gravity (H ₂ O=1): >1 Vapor Presence: about same as H ₂ O Percent Volatile: 60-65% 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
Ingredients C.A.S. Numbers	Modified Acrylic Polymer Titanium Dioxide Attapulgite Clay Mica Calcium Carbonate Texanol Butyl Carbitol Ethylene Glycol Ammonia Calcined Clay Ceramic Microspheres Propylene Glycol Zinc Oxide Potassium Triphosphate Hydrous Kaolin Clay	Proprietary (non-hazardous) C.A.S.#: 13463-67-7 C.A.S.#: 12174-11-7 C.A.S.#: 12001-26-2 C.A.S.#: 1317-65-3 C.A.S.#: 25265-77-4 C.A.S.#: 112-34-5 C.A.S.#: 107-21-1 C.A.S.#: 7664-41-7 C.A.S.#: 92704-41-1 C.A.S.#: 66402-68-4 C.A.S.#: 57-55-6 C.A.S.#: 1314-13-2 C.A.S.#: 13845-36-8 C.A.S.#: 1332-58-7
Fire Protection Information	Decomposition/Combustion: Flash Point: Recommended Extinguishing Media: Flammable Limits:	N/A N/A; Does Not Burn N/A N/A
Transportation	Hazard Classes: Hazard Labels: Hazard Determination: Shipping Containers: Shipping Class:	None; Not Hazardous Not Required MSD Sheet Varies Class 55; Water Based Paint

Health Hazard Data	SHORT TERM EXPOSURE	
	Route of Entry: Inhalation: Skin: Eyes:	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.
Personal Protection	LONG TERM EXPOSURE	
	Carcinogen: Target Organ Effects: Other Health Hazards:	None None None Known
Spill or Leak Protection	Respiratory Protection: Protective Clothing: Ventilation: Other Protective Measures: Eye Protection:	No inhalation hazard expected None Required Local None Safety Glasses
Treatability	Accidental Release or Spill: Neutralizing Chemical/Media:	Collect liquid or solidify with absorbent package for disposal N/A
Storage and Reactivity	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	Hazardous Polymerization: Storage Conditions: Toxic Products Which May Form
Labeling	Explanation of Unique Labeling System: None Used	
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