



**ACRYLIC CERAMIC
CERAMIC SHIELD™
INSULATING & SOUNDPROOFING
INTERIOR PRIMER and SEALER**

**PRODUCT
DATA
#1590**
03/26/10
superseding: 02/27/08

PRODUCT DESCRIPTION:
CERAMIC SHIELD™ Primer Sealer is a high quality, insulating ceramic, interior wall, ceiling and trim, primer sealer. It is formulated with ceramic fillers, CERAMIC SHIELD™ Primer Sealer provides insulating and soundproofing values along with a uniform, easy to apply, flat priming finish. A high concentration of resin allows this Primer Sealer to seal most water, grease, oil, and other stains. It's performance stems from the high quantity of resin which provides for outstanding bonding, priming and sealing of most any interior surface. CERAMIC SHIELD™ Primer Sealer will seal most stains, but if stains persist, a compatible stain blocker must be used. When applied according to specifications, CERAMIC SHIELD™ paint products offer a 20 YEAR LIMITED MATERIAL WARRANTY.

- CERAMIC SHIELD™ INTERIOR CERAMIC PAINT PRODUCT LINE:**
 #1500 CERAMIC SHIELD™ Vinyl Acrylic FLAT Ceiling & Wall Paint
 #1525 CERAMIC SHIELD™ Modified Acrylic SATIN Wall, Ceiling & Trim Paint
 #1550 CERAMIC SHIELD™ Modified Acrylic SEMI-GLOSS Wall & Trim Paint
 #1590 CERAMIC SHIELD™ Modified Acrylic FLAT Primer & Sealer

CERAMIC SHIELD™ PRIMER SEALER USES:
CERAMIC SHIELD™ can be used on most wall, ceiling & trim surfaces such as plaster, wallboard, wood, concrete, brick, masonry, metal (no rust), well bonded wallpaper and various other substrates. Rust must be primed with METAL-PRIME RED OX™, Red Iron Oxide Primer Sealer. CERAMIC SHIELD™ is excellent for most residential, commercial and industrial applications.

STAINS:
Spot prime all stains before priming entire area. CERAMIC SHIELD™ Primer Sealer will seal most stains. If stain persists, a compatible stain blocker must be used. Wood knots should be spot primed with shellac. Pressure treated wood must be aged at least 6 months before priming.

SURFACE PREPARATION:
PREVIOUSLY PAINTED SURFACES:
Wash off all dirt, grease, soap and oil build-up with a powdered household cleaner and water. Rinse thoroughly. Remove loose paint and powdery substances. Patch cracks and holes with patching paste. Dull any nonporous or glossy surfaces by thorough washing with an abrasive kitchen cleaner or by scuff sanding. Rinse and/or remove any powdery residues. Spot prime patched areas before painting entire wall with CERAMIC SHIELD™ Paint.

UNPAINTED SURFACES:
Drywall: Fill nail holes and cracks with patching paste. Remove all dirt and loose material. Spot prime patched areas before priming entire wall with CERAMIC SHIELD™ Primer Sealer.
Plastered Walls: Surface must be dry, cured and hard. Textured or swirl types and soft porous or powdery plaster must be treated with a solution of one pint household vinegar in one gallon of water. Repeat until surface is hard. Rinse with plain water. Let dry and apply a coat of CERAMIC SHIELD™ Primer Sealer.
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. 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 the first coat of CERAMIC SHIELD™ paint.

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:	250 to 400 sq.ft./gal.
COLOR:	White (tintable)	DRY to TOUCH:	2 to 4 Hours
VEHICLE TYPE:	Copolymer Emulsion	RECOAT:	4 Hours
SOLIDS by WEIGHT:	54% +/- 2%	CURE TIME:	5 to 7 Days
SOLIDS by VOLUME:	35% +/- 2%	SIZES:	1 Gal., 5 Gal., 55 Gal.
V.O.C.'s (averages):	.64 lbs./gal. • 77.0 g/liter	GALLON WEIGHT:	10.9 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#:
1590**

Product Identification	Product Name: Ceramic Shield™ Primer Product Code #: 1590 General Usage: Interior Latex Primer Sealer General Description: Pigmented Latex Primer Sealer 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: 43-48% 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:	Precautionary Treatment Expected None Expected None
	Eyes:	Flush Immediately with large amounts of water for at least 15 minutes, holding eyelids open. Call a physician if irritation persists
	Ingestion:	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	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.	