



# APPLICATION PROCEDURE

## ULTRA SEAL™ / ULTRA SATIN™ ULTRA KOTE™ / ULTRA KOTE XL™

### GENERAL WALL SURFACE

Concrete • Stucco • Masonry • Wood • Aluminum • Vinyl • & More

ENERGY STAR PARTNER

15-20 YEAR LIMITED MATERIAL WARRANTY

**APPLICATION PROCEDURE**

**#UAS-G**

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**02/21/11**

*superseding: 02/17/10*

<b>MATERIAL ESTIMATION:</b>		
CHLORINE & WATER	1 Quart chlorine per 100 square feet	
PERMAPATCH™	1 Gallon fills 144 cubic inches	Caulk and Seal all cracks 1/8" or greater
PERMATAPE™ (2" / 4" / 8" x 100')	Tape any seams if applicable	Use ULTRA PRIME™ as Saturant at rates below: <i>Add a minimum of ULTRA PRIME™ as Tape Saturant as follows: 1/4 gallon per 2" Roll - 1/2 gallon per 4" Roll - 1 gallon per 8" Roll (may vary)</i>
CHALK FORCE™ Chalk Sealer	300-400 square feet per gallon	1 Coat Required on Chalking Surfaces*
METAL-PRIME™ Rust Primer	100-150 square feet per gallon	2 Spot Coats Required on Rust*
ULTRA PRIME Primer Sealer	100-150 square feet per gallon	1 Coat Required; See Criteria Below*
ULTRA PRODUCT FINISH**	100-125 square feet per gallon per coat	2 Coats are Required

**\*\*ULTRA PRODUCT FINISH COAT of ULTRA SEAL™, ULTRA SATIN™, ULTRA KOTE™ or ULTRA KOTE XL™**

Material Estimations are Approximate and Can Differ from Job to Job and Are Not Guaranteed to be Correct Due to Many Variables.

**WARRANTY CONFORMANCE:**

A Warranty Registration Certificate Form Must Be Submitted within 90 days of Completed Application. Confirm Specific Minimum Acceptable Product Spread & Usage Rates for Warranties stated on the Warranty Registration Certificate Form. Surfaces greater than 10,000 square feet requires a Job Completion Form. Request Forms before Application of Any Coating. Warranty will be void if these criteria are not met.

**WARRANTY TERMS:**

A Limited Material Pro-Rated Warranty for Chipping, Cracking and Peeling, only, Available:

ULTRA SEAL™/ULTRA SATIN™ 20 Years  
 ULTRA KOTE™/ULTRA KOTE XL™ 15 Years

**\*PRIMER REQUIRED CRITERIA:**

A PRIMER (CHALK-FORCE™, METAL-PRIME or ULTRA PRIME™) is REQUIRED, but not limited to: Vinyl, Foam, Wood, Rusted or Unprimed Metal, Stained Surfaces, Chalking, Peeling, Flaking, Blistering & Uncoated Surfaces. Our products are only as good as the surface to which they are applied, and are NOT GUARANTEED for: stains, bleed through, mildew, hydraulic pressure & adhesion to other products. A Stain Killer may be required on some applications. Inquire for details. Warranty will be void if these criteria are not met.

**GETTING STARTED:**

All coatings must be stirred manually or mechanically before being used (except for PERMAPATCH™). Do not let products freeze. Do not use any of these products at temperatures below 45 degrees Fahrenheit. Apply all products to dry surfaces only and do not apply products when they will be subjected to rain, high humidity or heavy dew before they have had enough time to dry (check Product Data Sheets). Do not thin any products unless specifically mentioned in this Application Procedure or Product Data Sheets.

- STEP#1: VISUAL INSPECTION and REPLACEMENT of DAMAGED BUILDING MATERIALS**  
 The substrate to be coated must be in SOUND condition. Physically inspect the surface area for missing or damaged building materials. Replace and/or repair all damaged areas back to sound and solid condition.
- STEP#2: TRENCHING**  
 The perimeter of the structure must be trenched from 4 to 6 inches below grade, allowing sufficient room to pressure clean surface to entire depth of trench.
- STEP#3: PRESSURE CLEANING**  
 High Pressure Clean entire wall surface with at least 1500 P.S.I. of pressure using a water and chlorine solution (approximately 1 quart chlorine to 5 gallons 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 and scrubbing with a broom, or other agitating apparatus. When wall is completely cleaned, rinse with water only. Let wall surface dry at least 12 hours before continuing. ULTRA SEAL™, ULTRA SATIN™, ULTRA KOTE™ and ULTRA KOTE XL™ have excellent mildew resistance, but these products WILL NOT KILL mildew already on the surface.
- STEP#4: REPAIRING SURFACE & PATCHING IMPERFECTIONS**  
 After surface has thoroughly dried, Patch and Caulk all cracks, crevices, fractures, holes, valleys, vents, voids, etc., with PERMAPATCH™. Use a trowel or stiff brush to apply. Multiple coats are better than one thick coat if possible. The thicker PERMAPATCH™ is applied, the longer it will take to dry. Wait at least 4 hours before applying a second coat of PERMAPATCH™ and let final application dry at least 24 hours before continuing to next step. PERMAPATCH™ dries from top to bottom, so be careful when working around a caulked area since it will be skin dry. There is no problem coating over PERMAPATCH™ even if it is not completely dry, since it is a high solids material. PERMAPATCH™ has minimal shrinkage, but the thicker PERMAPATCH™ is applied, the more chance it has to shrink. Check after 24 hours and apply additional PERMAPATCH™ if necessary.

As an ENERGY STAR® PARTNER, Nationwide Chemical Coating Mfrs., Inc. has determined that select products meet or exceed the ENERGY STAR® guidelines for Energy Efficiency.

In Any Event Nationwide Chemical Coating Manufacturers, Inc. will not be liable or responsible for any past, present or future leaks or any resulting consequential or incidental damages.

Wall Coatings



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NATIONWIDE CHEMICAL COATING MFRS., INC. • 7106 24<sup>th</sup> Court East • Sarasota, Florida 34243 • U.S.A.

### **STEP#5: TAPING SEAMS** (If Applicable, otherwise proceed to the next step)

Tape all visible seams, valleys, large cracks & fractures prone to water intrusion on wall surface. Apply a liberal coat of PRIMER (ULTRA PRIME™) at 12-16 mils wet film thickness, directly to the affected area using: 1- brush, 2- at least a one inch nap roller, or 3- at least a one gallon per minute piston type airless sprayer with a .021 minimum tip size. Remove all line filters and gun filters before spraying. Lay the PERMATAPE™ directly onto the WET PRIMER. Tape must be put down before PRIMER has had a chance to start drying (approximately 15 minutes). After all areas are taped let dry for 1 to 2 hours. Apply a second light coat of PRIMER at 6-8 mils wet over the top of the tape. Let dry for at least 2 hours before continuing. If a full PRIMER coat (Step #6b:) is applied, the second light coat of PRIMER is recommended but not required.

### **STEP#6a: REQUIRED PRIMER COAT and SURFACE PREPARATION\***

**WOOD:** It is not recommended to Coat Pressure Treated and Chemically Sealed or Treated Wood. All Bare Wood and any Coated Wood showing Wood Stains, Bleed Through, Knots, etc. must be sealed prior to applying our products, check with Nationwide or Local Paint Store for a compatible Wood Sealer Product.

**RUST TREATMENT:** Any rusted metal, rust stains, nail heads, etc. must be spot primed with two coats of METAL-PRIME Red Iron Oxide Primer, inquire for information on METAL-PRIME.

**CHALKING SURFACES:** After Pressure Cleaning, let surface completely dry and check for chalking. If any surface chalking exist, apply a coat of CHALK FORCE™ (inquire for information on CHALK FORCE™) or ULTRA PRIME™ (step #6b:).

### **STEP #6b: ULTRA PRIME™ REQUIRED\* or OPTIONAL ULTRA PRIME™ PRIMER COAT ELECTED**

Apply PRIMER (ULTRA PRIME™) using: 1- brush, 2- at least a one inch nap roller, or 3- at least a one gallon per minute piston type airless sprayer with a .021 minimum tip size. Remove all line filters and gun filters before spraying. The recommended and most effective way to apply is by spraying and then following behind and back rolling the wet, sprayed product with a roller, especially on cementitious, textured and rough surfaces including Stucco, Adobe, Concrete, Masonry, Synthetic Stucco, etc. Apply the PRIMER at a rate of 100-150 square feet per gallon covering the entire wall surface. Wet film thickness of 12-16 mils resulting in a dry film thickness of 4-7 mils. Let PRIMER dry at least 4 hours before continuing.

### **STEP#7: FIRST COAT of WALL COATING** (ULTRA SEAL™ - ULTRA SATIN™ - ULTRA KOTE™ - ULTRA KOTE XL™)

Use the same ULTRA PRODUCT FINISH COAT and COLOR for the FIRST COAT and SECOND COAT, unless using ULTRA KOTE™ or ULTRA KOTE XL™ as a Performance Upgrade Mid-Coat. The FIRST COAT does not have to be colored, but is recommended for all systems.

Be sure entire surface is clean and free of all moisture. Be sure the entire area to be coated is primed with a minimum dry film thickness of 4 mils. If not, then spot prime the deficient areas until the minimum dry film thickness is achieved.

Apply First Coat of Wall Coating using: 1- brush, 2- at least a one inch nap roller, or 3- at least a one gallon per minute piston type airless sprayer with a .027 minimum tip size. Remove all line filters and gun filters before spraying. The recommended and most effective way to apply is by spraying and then following behind and back rolling the wet, sprayed product with a roller, especially on cementitious, textured and rough surfaces including Stucco, Adobe, Concrete, Masonry, Synthetic Stucco, etc.

Apply the first coat at a rate of 100-125 square feet per gallon per coat over the entire wall surface. Wet film thickness of 14-16 mils resulting in dry film thickness of 8-10 mils. Let dry at least 12 hours before continuing.

### **STEP#8: EVALUATION OF FIRST COAT**

Our products have excellent sealing properties and usually seal most stains and bleed through, but are not guaranteed to do so. Check FIRST COAT after 12 hours for any staining, bleed through, efflorescence or other reactions, and if a situation exists, check with Nationwide or Local Paint Store for a compatible Stain Sealer, Stain Killer, Stain Blocker, Shellac or other applicable treatment.

### **STEP#9: SECOND COAT of WALL COATING** (ULTRA SEAL™ - ULTRA SATIN™ - ULTRA KOTE™ - ULTRA KOTE XL™)

Be sure entire surface is clean and free of all moisture. Be sure the entire area to be coated has a minimum dry film thickness of 12 mils (this includes 4 mils of PRIMER). If not, then spot coat the deficient areas until the minimum dry film thickness is achieved.

Apply Second Coat of Wall Coating using: 1- brush, 2- at least a one inch nap roller, or 3- at least a one gallon per minute piston type airless sprayer with a .027 minimum tip size. Remove all line filters and gun filters before spraying. The recommended and most effective way to apply is by spraying and then following behind and back rolling the wet, sprayed product with a roller, especially on cementitious, textured and rough surfaces including Stucco, Adobe, Concrete, Masonry, Synthetic Stucco, etc.

Apply the second coat at a rate of 100-125 square feet per gallon per coat over the entire wall surface. Wet film thickness of 14-16 mils resulting in dry film thickness of 8-10 mils. Let dry at least 24 hours before Final Evaluation.

If coating a color over white ULTRA KOTE™ or ULTRA KOTE XL™, a heavier or a second light coat of color may be required.

### **STEP#10: FINAL EVALUATION**

At this time a detailed evaluation of the completed job will determine the quality of the workmanship and whether strict application specifications have been met. Be sure to check that all wall areas are completely caulked, coated & sealed under permanently placed wall items (gutters, fascia, shutters, A/C wall units, etc.). Divide wall into 1,000 square feet sections and randomly check one spot in each section for a dry film thickness of at least 16 mils (20 mils minimum if ULTRA PRIME was applied). Remember to touch up the penetration made by the dry film thickness gauge. If specifications have not been met, recoat the entire wall or deficient areas. Repeat evaluation and recoating until the required minimum dry film thickness is achieved.

*In Any Event Nationwide Chemical Coating Manufacturers, Inc. will not be liable or responsible for any past, present or future leaks or any resulting consequential or incidental damages.*

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