



APPLYING ECO-THERM® 2500 ELASTOMERIC COATING ON VERTICAL STUCCO, CONCRETE WALLS, SIDING SYSTEMS

(Application process is always to be determined based on condition of existing paint and substrate. If in doubt, contact The Ultimate Coatings Company or its representative. Only for application by Approved Applicators.)

For walls coated with fully adhered, aged paint that is in good condition and/or requiring minimal preparation as noted below.

PREPARATION

Remove mildew and power wash with minimum 3000 psi machine (with 2 days minimum dry time). If cracks (over 1/16"), holes or spalling are present, these must be filled and matched to existing texture of walls prior spot prime over correct commercial patching material. An appropriate spot priming with a premium acrylic based primer must be done over any repairs. Acceptable primers include (Benjamin Moore Fresh Start, Insul-X Stix, Insul-X Aqua Block, Zinsser Smart Prime, Sherwin-Williams Procryl or comparable). Spot priming must be done carefully so as not to create additional build up of the surfaces at these repairs from excessive primer or primer which has not been properly blended at its edges into the wall surface.

Manufacturer's suggested drying time for primers must be correctly followed or successive topcoats may not dry properly **ECO-THERM** lifespan shortened.

FINISH COATING APPLICATION

With sprayer and back-rolling: Apply **ECO-THERM 2500** in 2 coats with airless sprayer with a steady horizontal pattern with 3" overlaps. Airless sprayers with a minimum pressure of 2500 psi (1.5 gal per minute minimum capacity) using spray tips with a minimum fan diameter of 12" at a distance from the wall of one foot are ideal (= tip sizes 621 to 625); or, 10" diameter producing tips (521 to 525) are also

acceptable. Please note that the smaller diameter tips will take more time to apply material because less material is applied. It is preferable for both first and second coats to be back-rolled to ensure optimal surface bonding and for best touch-ups. However, it is acceptable and in consideration of labor cost for just first coat to be back-rolled. Care must be taken to ensure that the coating is not piled up on the wall surfaces and excessive material does not sag down. Should this occur, pressure on the sprayer must be lowered and back-rolling of wet coated surface occurs with 5 minutes of application with ½” nap roller to flatten and spread such sagging. Roller strokes should be finished on down-stroke for best finish results.

With roller application only: Apply **ECO-THERM 2500** in 3 coats with a ¾” nap premium quality roller. Roller should be fully loaded and successive coated overlapped 2-3 inches. Application surface coverage will depend upon surface texture and porosity. Typical full roller yield 12-15 sq feet with a double roll on each pass. Roller strokes should be finished on down-stroke for best finish results.

THINNING

The coating may be thinned with clear, clean water. This can be done at a maximum of 1 quart per 5 gallons of ECO-THERM. Should sprayer not be moving coating sufficiently for efficient application, consider using a larger diameter spray tip before adding water. Hot weather will necessitate adding water to the pail to thin throughout work cycle. Key instruction: Never to over-thin this product.

RE-COAT TIME

Re-coat time is minimum 12 hours at 70 degrees F. Overnight drying is recommended with no same day recoating permissible at any time. If temperatures are below 60 degrees (ambient and/or wall), drying time to recoat will be inhibited. Depending upon humidity, surfaces should be allowed to dry so that no stickiness, “grab” or sense of underlying softness is felt with hand pressure on coated surfaces. If surface temperature is lower than air temperature or there is high humidity, dry time for re-coating will be longer (inhibited). Surface moisture condensation in early morning application must be avoided. Failure to follow these recoat guidelines will result in coating failure and/or bonding problems.

NUMBER OF COATS/APPLICATION RATE FOR WARRANTY

If spraying, a minimum of 2 coats should be applied over existing painted or primed surfaces in order for millage and warranty requirements to be met. This will be a rate of 1 gallon per 100 sq ft per coat; 2 gallons total per 100 sq ft finished. If rolling, a minimum of 3 coats should be applied over existing painted or primed surfaces in order for millage and warranty requirements to be met.

This will be a rate of .75 gallon per 100 sq ft per coat; 2.25 gallons nominal total per 100 sq ft finished.

MINIMUM FILM THICKNESS

A minimum finished film thickness for **ECO-THERM 2500** of 18-22 dry mils (DFT) must be achieved for product durability specification to be met. This is achieved by spraying on 2 coats as noted at 15 wet mils per coat at coverage rate of 80-100 sq ft per gallon, depending upon surface texture and temperature. This will be achieved by roller application in 3 coats at nominal 10-12 mils per coat.

A coating mil gauge for wet surfaces can be used if applicator is unsure of coverage. The mil gauge should be used to ensure applicator's knowledge of material's correct millage is achieved. Use of good painting practices and these guidelines yield coating minimum specification.

APPLICATION UPON FAILED PRIOR COATINGS

Flaking or lifting existing paint/coating in any locations must be removed completely in failed locations particularly if they are elastomeric or other acrylic coatings. Scraping or high-pressure, power washing with containment and/or water-based chemical stripper may be utilized. Old surface coatings of questionable nature must be tested to confirm compatibility. A primer (undercoater) may be sufficient to create a successful bond to **ECO-THERM** topcoat. Please consult with Ultimate Coatings for any such scenario in advance of proceeding. Weak surfaces, painted or not, will cause topcoat failure regardless of manufacturer. Proceed with manufacturer advisement after surface testing in all such instances.

Chalked existing paint/coating in any locations must be power-washed and fully scrubbed down and dry prior **ECO-THERM** application. Surface may be tested for dry paint "chalk" before and after washing by the palm test. To do this, lay palm of hand firmly on surface to be tested and twist the hand while keeping it fully in contact with the old paint. In certain circumstances, such as residue continuing to be present after power wash and scrubbing and/or factory applied or plural component original paints, washing must be followed by a full priming with a premium bonding primer (See recommendation above). Please consult with Ultimate Coatings in advance for confirmation if any question.

Compatibility with unknown surface coatings where any question exists. Adhesion testing must be performed in advance of application. Call Ultimate Coatings for advisement.

2) For walls that are color coat stucco or new cured, uncoated stucco/concrete.

PREPARATION

After power-washing and drying, surfaces should be sealed (primed) with Ultimate Coatings Clear Masonry Sealer 990 or a premium acrylic conditioning primer. Clear Masonry Sealer to be back-rolled with ¾” nap roller for best adhesion.

Caution Note: Neutralized surface pH must be achieved before application of sealer, primer or top-coating. Confirm substrate manufacturer specification for pH reduction or conform to minimum 30 days weathering with full power-wash down of walls (and drying) prior to sealer/primer/coating application.

DETERIORATED STUCCO or CONCRETE SUBSTRATES

Where repairs to surfaces are needed, clean and wash stucco or concrete surfaces prior to repairs. Patch all holes and significant blemishes. Where greater consolidation or questions about the strength of the substrate exist, an Epoxy Primer system may be required. TEST A SMALL AREA in advance of finish coating to determine if primer(s) and repair materials are compatible and produces strong bond before proceeding to finish coating. TEST by applying yellow masking tape to the primed surface after it is completely dry and settled (6-8 hours), pull tape off quickly. If a substantial amount of primer sticks to the tape, it means there is a bonding problem and another primer or epoxy must be utilized.

NOTE: Some concrete repair materials do not let standard acrylic primers bond. In such cases, Clear Masonry Sealer or an Epoxy Primer must be used. Alkalinity of repaired surfaces must be considered and allowed to balance prior to either acrylic or epoxy sealer application. For most repair materials, this means waiting a minimum of 72 hours after repairs are made before applying primers.

DO NOT USE Alkyd Primer of any kind on concrete or stucco surfaces.

Saponification (soaping) problems will occur over time and subsequent topcoat failure. **Acrylic bonding primers, clear acrylic masonry sealer or epoxy primer must only be used over concrete or stucco surfaces.**

WEATHER CONDITIONS:

Do not apply coatings during temperatures above 90 degrees ambient temperature.

Do not apply coatings on to surfaces over 115 degrees F. or below 50 degrees F.

Use a handheld indirect thermometer if in doubt.

Do not apply coatings when temperatures of 50 degrees or less are expected by evening or within 4 hours of expected temperature drop below 50 degrees.

Do not apply coatings in direct hot sun or where heat is expected within 1/2 hour.

Do not apply coatings when rain or fog conditions are expected within 4 hours.

Do not apply on primers, caulks or repair materials not fully dried or cured.

Do not apply if surface is wet or has salt residue from salt-water fog.

Do not apply if heavy saltwater fog conditions or drizzle have occurred without rinsing, walls to be coated must be washed-down and allowed to dry fully.

Do not let product freeze whether in pail or when wet on wall. It will denature.

QUESTIONS? EMERGENCY?

**PHONE: The Ultimate Coatings Company: 1-800-226-9180
or direct 415-726-0551**

**(Rev. 4/11/16) © Copyright 2016, The Ultimate Coatings Company.
Written permission must be granted for reproduction of any kind.**