



ECO-THERM® 2500 ELASTOMERIC APPLICATION REQUIREMENTS

On Asphaltic Capsheet, BUR and Asphalt Emulsion

EQUIPMENT:

- ❖ Airless sprayer: capable of minimum 2500 psi (2 gallons per minute).
- ❖ Tip Orifice: .0035" best (Graco 635, (629-637 tips okay).
- ❖ High quality woolen material ¾" nap, 11 inch standard diameter roller minimum or power roller assembly with airless pressure feed.
- ❖ Mil-gauge: Acquire from any paint store and use to check first applied wet coats and confirm. See SPEC under MILLAGE below.
- ❖ Spot Radiometer: For reading temperature of roof surfaces.

WEATHER:

Steady weather conditions - 60 to 85 degrees Fahrenheit is ideal. No rain or moisture expected within 24 hours. No overnight temperatures below 50 degrees. Fog or high humidity will effect drying by delaying product cure. Sticky surfaces after overnight dry means that the **ECO-THERM ELASTOMERIC** coating must be allowed to dry further before recoating. Surface temperatures ideally should not be over 110 degrees Fahrenheit at time of application

PREPARATION OF THE CAPSHEET OR SMOOTH MOPPED SURFACES:

Power-wash capsheet surfaces twice to allow granules that are loosened from the first washing to be fully removed by the pressure stream most completely. Vacuuming may also be used for one of the cleaning instead of power-washing twice. Silvered (aluminum paint) or other coatings, will be cleaned off as completely as possible in one power-washing. Caution to be taken not to damage roof material.

Allow surface to completely dry before ECO-THERM is applied. If weather is over 70 degrees Fahrenheit or more, **there is direct sun**, and power-washing water can be seen **to evaporate rapidly off**, same day application of **ECO-THERM** may be done after three hours minimum dry time on washed surfaces. Otherwise, standard allowance of 2 days

in warm weather must be given to fully allow moisture in the surfaces to evaporate. Shadowing from trees, other buildings, overhangs or cloud cover can prevent proper complete drying.

Caution: ECO-THERM will bubble if coated over surfaces with trapped water inside with is *your responsibility to understand and avoid.*

Infrared camera used to see water trapped below roof surfaces may be essential to successful application since such preliminary due diligence by Applicator will save problems associated with voided topcoat warranty due to Applicator errors.

APPLICATION:

Initial coat: ECO-THERM™ 2200 ELASTOMERIC (basecoat)

Second or third coats: ECO-THERM™ 2500 ELASTOMERIC

First coat may be rolled strongly into surfaces, however best to be sprayed and back-rolled. Seams, parapet base at roof deck and parapet wall tops should be sprayed in one heavy Basecoat and reinforcing fabric tamped down into the wet Basecoat. Entire second coat is best sprayed. Instances of rolling second coat will require third coat in order to utilize correct gallonage specified. Correct minimum millage occurs at 3 gallons per 10' x 10' square (100 sq ft) in two coats.

Apply with 12" spray at a STEADY MODERATE PACE from 12" distance above Roof surfaces. Use quantity of 1 1/2 gallons per coat over 10' x 10' square (100 sq ft).

Apply NO MORE THAN 1½ gallons per 10' x 10' square per each coat. If applied thicker (at quantity exceeding this specification), mud-cracking can occur and topcoat may fail.

DO NOT ATTEMPT TO FULLY COAT SURFACES WITH ECO-THERM IN ONE SPRAYED ON PASS. COATING WILL NOT PERFORM CORRECTLY AND WILL NOT LAST FOR FLL WARRANTY PERIOD.

MILLAGE:

Wet Mil Thickness (WMT) must be no less than 20-25 mils per coat. Dry Mil Thickness (DMT) applied at this application rate in two coats yields total of 22-25 mils, provided Applicator follows these guidelines under warm weather, non-moist conditions. Work must be checked to assure millage during progress of job. Weather conditions that are cold or hot will effect the coating build and cure times. Colder weather will cause a greater quantity of material to be used due to thickening of product.

Photos must be taken prior to application and at each step of the application process in order to have warranty issued. *Approved Applicator* must use good judgment and follow these minimum guidelines or **ECO-THERM** will not bond properly and will blister and fail. In such case, the Approved Applicator will be at fault and no product warranty will apply. Mil

Gauge must be used and either a cut-out showing millage cross section and/or accurate photos must be provided to manufacturer with millage precisely and clearly visible.

CAUTIONS:

**DO NOT SINGLE COAT. COMPLETED SYSTEM MUST HAVE TWO (2) COATS.
ONLY TO BE APPLIED BY AN *APPROVED APPLICATOR* FOR WARRANTY COVERAGE.**

ADDITIONAL CAUTIONS FOR ECO-THERM APPLICATORS:

**DO NOT WALK ON THE ECO-THERM COATED SURFACES FOR MIN. OF 6 hours.
DO NOT APPLY OVER UNWASHED ROOF SURFACES.
DO NOT APPLY WHEN EXTERIOR TEMPERATURE IS 90 DEGREES OR ABOVE.
DO NOT APPLY WHEN SURFACE TEMPERATURE EXCEEDS 120 DEGREES.
YOU MUST CHECK SURFACE TEMPERATURES WHEN IT IS HOT.**

BEST APPLICATION TIMES WILL BE IN EARLY MORNING AND LATE AFTERNOON.
REMINDER: JUST BECAUSE SUN IS NO LONGER OVERHEAD DOES NOT MEAN THAT
ROOF SURFACES ARE NOT STILL TOO HOT TO TOPCOAT.

IF IN DOUBT, USE SPOT RADIOMETER (Indirect Thermometer) TO CHECK SURFACE
TEMPERATURES. APPLICATOR MUST ALSO BE AWARE OF SUN MOVEMENT. IT IS
ACCEPTABLE TO TARP OR WET DOWN ROOF TO KEEP SURFACE COOL PRIOR TO
COATING WHEN NECESSARY. THIS IS ACCEPTABLE AS LONG AS SURFACES ARE
DRY BY TIME OF TOPCOATING.

THE ULTIMATE COATINGS COMPANY CUSTOMER SUPPORT: 415-726-0551

Call if weather or other variables are uncertain and this specification does not provide your
answers. We will do our best to provide the *Approved Applicator* with such information in
a prompt manner.

PLEASE NOTE: *Approved Applicator* remains responsible for the successful coating of
the job and unless these guidelines are followed and prior warranty requirements
confirmed, no warranty support after job completion is to be assumed.

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

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