



**ECO-THERM® 2500 ELASTOMERIC
HIGHLY SOLAR-REFLECTIVE, HIGH TENSILE COATING**

ECO-THERM® 2500 Elastomeric is a high-modulus, single component, 100% top acrylic coating technology incorporating exceptional high-tensile and elongation performance with intrinsic, highly solar-reflective IR pigments. ECO-THERM 2500 is a 3rd generation elastomeric coating engineered for unsurpassed resistance to environmental damage and dirt shedding. Designed for low-slope and flat roof* applications over various substrates (asphaltic, capsheet, BUR, SPF, hypalon, steel). It may be used for most wall types as well, with enhanced capability to both hold out moist weather and to also allow walls to breathe (vapor permeance). Due to its minimal-fading characteristics with ,inorganic, mixed-metal oxide/mineral pigments and surface cross-linking (= ECO-THERM®Technology™), this coating is highly solar-reflective and highly thermal emissive. It may be optimized to highest solar-reflectance in most custom colors, including deep tones. As a cool roof maintenance coating over capsheet, hot-mop, BUR, existing coatings and metal roofs, waterproofing for complete systems are achievable as well as same year tax benefits for cool roofs with correct prep and millage. On exterior walls, ECO-THERM® 2500 is unsurpassed in maintaining its cool roof engineered durability. Testing shows ECO-THERM® 2500 White Initial Solar Reflective Value of .87 (87%) drops just 4% in 3-Year Aged results. It exceeds CA Title 24, SCAQMD Rule 1113, meets LEED Credit standards. Low VOC, no plasticizers, soaps, HAPS, or ethylene glycol. It does not attract dirt and remains washable (cleans-off with rains). *Flat roofs must meet NRCA standards for drainage, and manufacturer guidelines).

COOL ROOF RATING COUNCIL (CRRC) PRODUCT RATINGS:

***Ratings for ECO-THERM® 2500 Elastomeric color > WHITE coating:**

Solar Reflectance (SR)	Thermal Emissivity (TE)	SR Index
.87 (ASTM Testing Protocol C-1549)	.89 (ASTM Testing Protocol C-1371)	110

Color WHITE 3-Year CRRC Aged Ratings > SR .83 / TE .89 / SRI 104

***Ratings ECO-THERM® Elastomeric color > IR LIGHT GREY coating**

Solar Reflectance (SR)	Thermal Emissivity (TE)	SR Index
.70	.91	86

Color IR LIGHT GREY 3-Year CRRC Aged Ratings > SR .66 / TE .91/ SRI 81

**Depending upon substrate roof type: etch, basecoat and/or primer may be required.
Inquire with manufacturer in advance to determine correct specification and procedure.**

ECO-THERM 2500 Elastomeric Properties (all colors):

Elongation 550%
Tensile Strength 534 psi
Solids By Volume 55+/- 2%
Solids By Weight 65+/- 2%
Hardness 72.3
Swelling 8.6
Permeance (@20mils) 7.1
Tear Resistance 112.0 psi
Density 11.1 lbs/ gal
V.O.C. <50 g/L
Theoretical Yield @ 1.0 gal /100 sq ft) 10.0* mils DFT
Gloss Level: Low sheen
Temperature Limits -30 to 210 F. degrees
Application Limits 50 to 110 F. degrees

*Theoretical Yield does not take into account application losses, thickness variations in application or weather contingent performance. Colder and /or hotter weather generally will use more product.

The following Tests have been satisfactorily PASSED for this product:

ASTM 6083 - weathering/ performance series
ASTM G26 - accelerated weathering
ASTM B117 - salt spray resistance
ASTM G21 - fungi resistance
ASTM C734 - flexibility
ASTM D624 - tear resistance
ASTM CRRC Protocol C-1549 solar reflectance
ASTM CRRC Protocol C-1371 thermal emissivity
Federal Spec TTC - 555B wind-driven rain
FM Severe Hail test

LIMITATIONS AND PRECAUTIONS: Do not apply when ambient temperature is below 50 F. degrees or above 90° degrees. Cold temperature or high humidity will retard drying and may denature product. Store in tightly closed container; protect from freezing. Not intended as a vapor or fire barrier.

WARRANTY: Written warranty is offered only to commercial/multi-family communities and only by Approved Applicators by prior arrangement with The Ultimate Coatings Company.

Disclaimer: Liability is limited strictly to replacement of product without exception. Our data is based on information from laboratory tests which are believed to be accurate. All recommendations made without warranty. No liability or responsibility for product relative to coverage, performance or injury is assumed.

The Ultimate Coatings Company LLC

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