



**ECO-THERM IT!™**

*Transforms  
building envelope  
walls and roofs  
into energy  
efficient, longer  
lasting surfaces for  
commercial,  
industrial and  
educational  
facilities.*



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## **ECO-THERM® 2500 ELASTOMERIC**

### *Highly Solar-Reflective Elastomeric Coating for Walls and Roofs*

**STATE-OF-THE-ART • ENERGY EFFICIENT ECO-COATING**

**E**CO-THERM® 2500 ELASTOMERIC is an energy efficient, protective coating used on stucco and concrete walls and plywood siding as well as built roofing, polyurethane foam, single ply and metal roofs. It renews commercial flat and low-slope roofs to make them *cool roofs* by reflecting solar radiation and preventing the majority of the sun's heat from entering the building. The Ultimate Coatings Company **ECO-THERM 2500** *saves you money* because it *keeps buildings cooler and lasts longer* than other coatings. It is superlative compared to other elastomerics because it has the industry's highest capability for expansion flexibility of 550% elongation while retaining **100% memory**. Unlike most roof coatings that rely upon only whites for heat reflection, **ECO-THERM 2500** uses true *heat emissive chemistry* and is available in a *broad custom color range*.

**ECO-THERM 2500** is LEED qualified and exceeds California's stringent Title 24 regulations keeping with cool roof and utility compliance standards. **ECO-THERM 2500** is *100% free of toxic ethylene glycol and has zero plasticizers*.

#### **ECO-THERM® 2500 ELASTOMERIC**

**Highly Solar Reflective and Heat Emissive:** 70 to over 87% in light grey, beiges/whites (Over 50% in darker colors) due to mixed metal oxide, low toxic tint technology designed to reflect away Solar infrared radiation.

**Intrinsic Colors + IR Pigments:** Can be made in a wide range of colors (blended at the factory), using environmentally friendly coating technology that retains its colors over time.

**Super Elongation:** Handles extreme hot-cold cycles and movements due to 550% expansion flexibility with 100% memory; twice the elongation of the top competitor.

**Strength:** Tensile capability gives exceptional resistance to roof traffic and hail storms.

**Dirt Shedding:** Tighter film surface with no plasticizers means substantially low dirt pick-up.

**Lowest Toxicity:** Low VOC's, exceeds California clean air standards.

**Durability:** 10-15 years. Industry's highest solids by volume rating, over 55%, which means it is a tough product that is designed to last and block all degrading ultra violet light.

**Mildew Resistant:** Biocide component keeps molds and plant-life from taking root.

**Alkali Resistant:** Long-term adhesion to concrete, stucco and all primed substrates.

**Waterproof:** Fully rain proof on walls (not a vapor barrier).

**Breathable:** Next generation of tougher elastomer technology ensures "permeance," the ability to pass water vapor through to the outside like Gortex®.

**LEED Qualified:** Meets national energy specifications for solar reflectance and emissivity set by Leadership in Energy and Environmental Design coalition.

**Cool Roof Compliant:** CRRC listed white and grey colors exceed 70% initial solar reflectance.

**Return on Investment:** Renews roof life and pays for itself through energy savings over its lifespan for wall repaints as well.



*How can you best protect buildings from the sun's heat, save cooling costs and meet the goal of environmental regulations?*

**ECO-THERM® 2500 ELASTOMERIC**  
*We know you won't find a finer energy-efficient coating anywhere!*

*Solar Reflective Cool Coatings for a Hot Planet™*

*Call today  
 1-800-226-9180  
 to find out  
 how you can  
 protect and make  
 your buildings  
 energy efficient  
 at an affordable price.*



**ECO-THERM® 2500 SPECIFICATIONS**

Solids by Volume	(ASTM D2697)	55%
Solids by Weight	(ASTM D1644) Weight per Gallon	65%
		11.2 lbs
VOC (solvents)	(U.S. EPA Reference Method 24)	<50 grams/L
Tints (pigments)	(mixed metal oxide infra-red) (100%	Intrinsic
Material (primary)	acrylic elastomer)	Water-based
Dry Film Thickness	(theoretical yield per coat)	9.5 mils, high build
Finish (gloss level)		Satin
Recoat Time	(temperature, humidity dependent)	12-24 hrs
Coverage (ft/gal)	(theoretical yield per coat)	75-100 sq ft

*\*Theoretical yields are temperature and applicator dependant.*

**ECO-THERM® 2500 PROPERTIES**

Elongation	(ASTM D412 @ 20 mils)	550%
Tensile Strength	(ASTM D2370 @ 20 mils)	534 psi
Hardness	(ASTM C661)	72.3
Swelling	(ASTM D471)	8.6
Permeance	(ASTM E96 @ 20 mils Procedure) B "Water Method")	7.1
Fungi Resistance	(ASTM G21)	Zero growth
Accelerated Weathering	(ASTM G26, 3000 hrs)	PASS
Salt Spray Resistance	(ASTM B117)	PASS
Wind Driven Rain	(Fed Spec. TTC-555B)	PASS
Hail Resistance	(F.M. Severe Hail Test)	PASS
Flexibility	(ASTM C734, 1/8 Mandrel)	PASS
Tear Resistance	(ASTM D624)	112 psi
Solar Reflectance	(ASTM C-1549, CRRC testing protocol)	87%
Thermal Emittance	(ASTM C-1371, CRRC testing protocol)	0.89

*\*Values are based on white color. Optimized solar reflectance in all colors*

**APPROVALS**

Energy Star® guidelines for energy efficiency are met by various colors  
 Factory Mutual Approved – Class A Fire, Windstorm and Hail Classification  
 California Title 24 Compliant in colors White and Light Grey.  
 CRRC listed in colors White and Light Grey.  
 Florida Power & Light Compliant  
 Green Seal Compliant  
 LEED Qualified for cool roofs and cool walls where specified.



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