



ECO-THERM IT!™

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



2801-B VASSAR STREET
RENO, NV 89502
1-800-226-9180
WWW.ULTIMATECOATINGS.NET

ECO-THERM® ELASTOMERIC

Highly Solar-Reflective Elastomeric Coating for Walls and Low Shape Roofs

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

ECO-THERM 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** *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 on whites and beiges for heat reflection, **ECO-THERM** uses true *heat emissive chemistry* and is available in a *broad custom color range*.

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

ECO-THERM® ELASTOMERIC

Highly Solar Reflective and Heat Emissive: 70 to over 87% in beiges/whites (Over 50% in darker colors) due to mixed metal oxide, low toxic tint technology designed to reflect away Solar 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 all molds and plant-life from taking root.

Alkali Resistant: Long-term adhesion to concrete, stucco and all 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: Multiple 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® ELASTOMETRIC

We know you won't find a finer energy-efficient coating anywhere!

*Solar Reflective Cool
Coatings for a Hot Planet™*

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



ECO-THERM® SPECIFICATIONS

| | | |
|----------------------|--------------------------------|----------------------|
| Solids by Volume | (ASTM D2697) | 55% |
| Solids by Weight | (ASTM D1644) | 65% |
| Weight per Gallon | | 11.2 lbs |
| VOC (solvents) | (U.S. EPA Reference Method 24) | <25 grams/L |
| Tints (pigments) | (mixed metal oxide infra-red) | Intrinsic |
| Material (primary) | (100% acrylic elastomer) | Water-based |
| Dry Film Thickness | (theoretical yield per coat) | 9.5 mils, high build |
| Finish (gloss level) | | Satin |
| Recoat Time | (temperature dependent) | 12-24 hrs |
| Coverage (ft/gal) | (theoretical yield per coat) | 75-100 sq ft |

**Theoretical yields are temperature and applicator dependant.*

ECO-THERM® 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
CRRC listed
Florida Power & Light Compliant
Green Seal Compliant
LEED Qualified for cool roofs and cool walls where available.

Copyright © 2016. The Ultimate Coatings Company LLC. All rights reserved. The Ultimate Coatings Company logo and product trademarks are federally registered trademarks of The Ultimate Coatings Company LLC. All other trademarks, if used, are the properties of their respective holders. Specifications are subject to change without notice. Data herein is based upon laboratory tests we believe to be accurate. No liability or responsibility is assumed or implied for the product as it pertains to coverage, performance, or injury resulting from its use. Warranty subject to inspection by manufacturer's representative and is solely limited to product replacement.

WARRANTY: Non-prorated warranties. Subject to application only by contractors who are Approved Applicators by The Ultimate Coatings Company and in compliance with product Application Procedures and Guidelines. Premium Product — 100% MADE IN USA.