



*How can you  
best protect buildings  
and cut exterior  
maintenance costs  
while being  
energy conservative  
and clean air  
compliant?*

***DON'T JUST PAINT IT,  
THERMO-SEAL IT!™***



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WWW.ULTIMATECOATINGS.NET

# THERMO-SEAL™ 1000 and 1500

*Solar reflective, thermoplastic coating systems for  
tile roofs, walls, and trim*

THERMO-SEAL IS A PROVEN ENERGY EFFICIENT, GREEN TECHNOLOGY that lowers the temperatures of building interiors. It is low-toxic, prevents deterioration, and saves money by reducing air conditioning and the effects of the sun's heat.

Thermo-Seal is a scientifically advanced paint coating that ensures these needs are met with highest performance standards for roof restoration (concrete, metal, wood), exterior walls (concrete, stucco), and trim (wood, metal). We are proud that Thermo-Seal is **100% free of toxic ethylene glycol and has no plasticizers.**

Originally these products were formulated for the scorching hot Australian Outback and salty, humid coastal Queensland where it was put to the test. Made and formulated in the USA. Title 24 (CA) compliant; CRRC "cool roof" rated.

Low toxic Thermo-Seal is so effective and durable that in addition to saving money by lowering electricity consumption, it can save an entire repaint cycle due to twice the longevity of standard wall paints. Think of it as "Cool Roof Technology For Walls™". Thermo-Seal is available in most colors and retains its color long term.



## **THERMO-SEAL™ 1000 and THERMO-SEAL™ 1500 Thermoplastic Coatings**

- Solar Reflective:** Reflects over 60% of the sun's heat in tans; over 40% in terracottas.
- Cross-Linking Adhesion:** Bonds powerfully through the base paint into underlying material.
- Dirt Shedding:** Substantially harder coating surface that resists dirt pick-up; dirt washes off.
- Strength:** High tensile capability gives exceptional resistance to foot traffic and hail storms.
- Intrinsic Colors with Infra-Red Pigments:** Highest quality, non-fading, low toxic.
- Mildew Resistant:** Biocide component reduces plant-life and molds from rooting.
- Breathable:** "Permeance" lets water vapor escape to the outside like Gortex™.
- Title 24 Compliant:** Exceeds California's strict compliance regulations.
- Lowest Odor:** Super low VOCs (Volatile Organic Compounds) meet air quality standards.
- Water Clean-Up:** Low-toxic chemistry, unlike standard exterior paints.
- Tile Roof Renewal:** : True renewal for failed surfaces on cement tiles installed in the 1970's and 80's makes them energy efficient as never before. A fully renewable coating system.
- Durability:** 10-15 years. High solids by volume. Rohm & Haas 100% thermoplastic acrylic.



**THE  
ULTIMATE  
COATINGS  
COMPANY®**

WWW.ULTIMATECOATINGS.NET



*Aging roof?  
Don't replace it...*

**THERMO-SEAL IT!™**

*Call today  
415.726.0551  
to find out  
how you can  
protect and make  
your buildings  
energy efficient  
at an affordable price.*



**THERMO-SEAL** is an energy efficient, ultra durable, heat-reflective coating that pays for itself over the life of the paint job, whether it is for your clay or cementitious roof tiles (Thermo-Seal™ 1000), or concrete, stucco walls and siding (Thermo-Seal™ 1500). Our technology enables you to benefit now with lowered cooling costs and substantially less dirt adhesion, in addition to greatly extended time between repaint cycles.

Thermo-Seal coatings build to twice the thickness of regular paints with significantly greater hardness. It lasts over 10 years before recoating may be needed. It is renewable and can be recoated for warranty extension. A finer product is not available!

#### **THERMO-SEAL™ SPECIFICATIONS**

Solids by Volume	41%
Solids by Weight	53%
Weight per Gallon (lbs)	11.1
VOC (grams/liter)	< 35 g/Liter
Tints (pigments)	Infra-red, mixed metal
Material (primary)	Rohm & Haas acrylic thermoplastic
Dry Film Thickness (per coat)	3-4 mils, high build
Finish (gloss level)	Satin
Recoat Time	1.5-2 hrs
Coverage (per gal)	200-225 sq ft substrate dependant

#### **THERMO-SEAL™ PROPERTIES**

Thermal Emittance	(ASTM C 1371)	87-93%
Solar Reflectance	(ASTM E 1549)	39-84%
Solar Reflective Index	(ASTM E 1980)	80-115
Water Vapor Transmission	(ASTM E96)	15 perms
Water Resistance	(ASTM D 358)	PASS
Wind-Driven Rain	(TTC-555B)	PASS
Flexibility	(ASTM D 522)	PASS
Alkali Resistance	(ASTM D 3273/4)	PASS
Mildew Resistance	HIGH - BIOCIDES CHEMISTRY	
Dirt Resistance	SUPERIOR - GLASSY FINISH	
Hiding Power	(ASTM D 2805)	97.3%
Tensile Strength	(D412)	500 psi
Hardness	(Shore A)	92-98 Duro

Thermal and Solar Values are color dependant.

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**LEGAL:** California Title 24 Compliant - TE 75%, SR 70% minimums are met; South Coast Clean Air District, Rule 1113 - VOC Compliant; Green Seal Compliant.

**CRRC** rated for compliant terracottas and blues.

**WARRANTY:** Non-prorated 10 and 12 year warranties. Subject to applicator certification.