



*Cools buildings
and cuts maintenance
costs on the exterior,
while increasing
energy efficiency on the
interior. Triple bottom
line wins on every
hot day!*

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



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THERMO-SEAL® 1000 and 1500

*Highly Solar-Reflective acrylic paint systems
for exterior walls, trim and tile roofs.*

THERMO-SEAL is a proven energy efficient Eco-technology that lowers the temperatures of building exteriors by reducing the effects of sunlight heat gain through building surfaces. It has been in use for over 11 years in the USA.

THERMO-SEAL is a technologically advanced paint that ensures these needs are met with highest performance standards for exterior walls and trim (concrete, metal and stucco) and sloped roof maintenance (concrete, metal, shake). **THERMO-SEAL** is **100% free of toxic ethylene glycol with zero plasticizers.**

Originally formulated for the scorching hot Australian Outback and salty, humid coastal Queensland where it was first tested. Made and formulated in the USA since 2005.

Low toxic **THERMO-SEAL** is so effective and durable that in addition to saving money by lowering AC electricity use, it can save an entire repaint cycle due to twice the standard longevity of regular wall paints. Think of it as *"Cool Roof Technology For Walls.™"*



THERMO-SEAL can be made in almost any color and resists color fade for long-term high reflectivity and durability.

THERMO-SEAL® 1000 and THERMO-SEAL® 1500

- Highly Solar Reflective:** Reflects over 70% of sun's heat in Tan colors to over 40% in Terracottas.
- Intrinsic Colors with Infra-Red Pigments:** Highest quality, non-fading, low toxic.
- Dirt Shedding:** Substantially harder coating with zero plasticizers; resists dirt pick-up; dirt washes off.
- Strength:** 100% acrylic thermoplastic.
- Adhesion:** Cross-linking bonds powerfully through base paint into underlying material and to itself.
- Mildew Resistant:** Biocide component reduces plant-life and molds from rooting.
- Breathable:** Ability for "Permeance" lets water vapor escape to the outside like Gortex®.
- Low Odor:** Super low VOCs (Volatile Organic Compounds) meets air quality standards.
- 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. Double that of standard exterior acrylic paints.
- Cool Roof Rating:** CRRC listings for multiple colors in 2016.
- Return on Investment:** Renews walls and roofs to pay for itself through energy savings and doubled paint job longevity.



THE

**ULTIMATE
COATINGS**

COMPANY®



*Solar Reflective Cool
Coatings for a Hot Planet™*

*Call us today at
415-726-0551
to find out
how you can
protect and make
your buildings
energy efficient
at an affordable price.*



1080 Chesnut St Association

THERMO-SEAL is an energy efficient, ultra durable, heat-reflective cooling paint that pays for itself over the life of the paint job. Whether used on your clay, cement tile roofs (**THERMO-SEAL1000**), or on concrete, stucco, metal, wood walls (**THERMO-SEAL1500**). This cool technology

enables you to benefit now with lowered air conditioning cooling costs with substantially less dirt adhesion and greatly extended time between repaint cycles.

THERMO-SEAL paints build to twice the thickness of regular paints with significantly greater hardness. It lasts over 10 years before recoating may be needed. It's fully renewable and can be recoated for warranty extension. No finer solar reflective paint is 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)	100% acrylic thermoplastic
Dry Film Thickness (per coat)	3 mils, high build
Finish (gloss level)	Semi-gloss
Recoat Time	1.5-2 hrs
Coverage (per gal)	200-225 sq ft
Solvent	Water-based

THERMO-SEAL® PROPERTIES

Solar Reflectance	(ASTM E 1549)	39-84%
Thermal Emittance	(ASTM C 1371)	87-93%
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 - BIOCIDE 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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