



## **THERMO-SEAL® 1500**

**HIGHLY SOLAR-REFLECTIVE SEMI-GLOSS PAINT**

**THERMO-SEAL® 1500** is a high-build, single component, 100% top acrylic technology incorporating exceptional dirt resistance, cross-linking adhesion and intrinsic, inorganic, IR reflective pigments yielding high solar-reflectivity performance equaling 15-50 F. degrees cooler than standard pigmented paints when compared on a color-for-color basis. **THERMO-SEAL® 1500** is designed to be used as a field-applied coating engineered for concrete, stucco, wood, metal and most exterior wall siding (cementitious, vinyl, aluminum, steel) and trim materials recoating as well as new construction. Unsurpassed resistance to dirt and damage due to exceptional surface hardness coupled with alkaline friendly, molecular level bonding (cross-linking), yields long-term wear characteristics exceeding existing paint standards. As a repaint, or new construction paint, two finish coats by either rolling, or spraying with back-rolling, will provide optimal value over correctly prepared surfaces. Self-priming over most prior painted building materials. Waterproofing occurs at specified millage over fully sealed and primed wall substrates and exceeds original design specifications in a majority of cases providing exceptional durability. Utilize **THERMO-SEAL® 1500** as a maintenance recoat over prior painted vertical architectural surfaces and provides future renewal capability for walls and trim. Solar reflective properties of product do not diminish with time.

No specialized equipment is required to apply. Meets Green Seal GS-11, and LEED Credit requirements for energy efficiency, solar-reflectance (walls), design and low VOCs. This product contains no plasticizers, soaps or ethylene glycol, or HAPS. **THERMO-SEAL® 1500** paint is 100% made in USA.

This product can be made in almost any color including Black. SR values of many custom colors are noted on our Independent Laboratory Tests for **THERMO-SEAL® 1500** and upon the Stock Colors Chart. SR and TE values for 1500 and 1000 are the same per identical color. For further information, please see our website at: [www.ultimatecoatings.net](http://www.ultimatecoatings.net).

*Depending upon substrate, CLEAR MASONRY SEALER 990, METAL PRIMER 490, or Bonding Primer will be required. For full warranty, two finish coats and primer are required. Inquire with manufacturer in advance to determine correct application procedure and primer requirements. Warranty work must be performed by an Approved Applicator.*

**THERMO-SEAL® 1000 Properties (all colors):**

Solids by Volume 41+/- 2%  
Solids by Weight 53 +/- 2%  
Tensile Strength 501 psi  
Hardness 92.1 Duro  
Permeance (@ 5 mils) 15 perms  
Density 11.1 lbs/gal  
V.O.C. <25 g/L  
Solvent: Water thinned  
Hiding 97.3%  
Sheen (semi-gloss) 40.0%  
Coverage (per U.S. gal.) 185-225 sq feet  
Theoretical Yield 6.0\* mils DFT  
Temperature Limits -30 to +210 degrees Fahrenheit  
Hazardous Materials None (No CA Prop. 65 chemicals).  
100% Acrylic Co-polymer with Inert pigments.  
Non-flammable

**\*Theoretical Yield for two coats. Does not take into account application losses, thickness variations in application, porous substrate, weather contingent performance.**

**THERMO-SEAL® 1500 Color dependent values**

Solar Reflectance (range) 39 - 84%\*\*

Thermal Emissivity (range) 87- 93%\*\*

\*\* Color dependent. Highest values are for color lightest colors and white.

**The following Tests have been satisfactorily PASSED for this product**

ASTM 6083 - weathering/ performance series  
ASTM G26 - accelerated weathering  
ASTM D 358 - water resistance  
Federal Spec TTC 555B - wind driven rain  
ASTM E96 - water vapor transmission  
ASTM G21 - fungi resistance  
ASTM D522 - flexibility  
ASTM D624 - tear resistance  
D412 - tensile strength  
Shore A - hardness  
ASTM CRRC Protocol C-1549 solar reflectance  
ASTM CRRC Protocol C-1371 thermal emissivity  
ASTM - E-903 Solar Reflectivity

## LIMITATIONS AND PRECAUTIONS

Do not apply when ambient temperature is below 50 F. degrees or above 90 F. degrees. Cold temperature and/or high humidity will retard drying and may denature product. Store in tightly closed container and protect from freezing. Freezing of unopened product will cause denaturing. Shelf life approximately 1 year. Not intended as a vapor or fire barrier. Not intended to provide waterproofing to entire roof system.

Disclaimer: Liability is limited strictly to replacement of product. Our data is based on information from laboratory tests that 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

[www.ultimatecoatings.net](http://www.ultimatecoatings.net)

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