

Thermo-shield has been widely tested in accredited Laboratories, under private and Government sponsorship, and in actual field tests. Here are some of those results:

America's ASTM testing . . .

ASTM D-412 Tensile Strength and
ASTM D-865 Deterioration By Heating In Air,

*These test results actually show **Thermo-shield** roof coating to get stronger and more durable with aging.*

ASTM C-177 Steady State Heat Flux and
ASTM C-1045 Thermal Transmission Properties, Roof Coating
At 5 Mil. Thickness.

(K-Value .0514) (R-Value 22) *

ASTM D-1653 Water Vapor Permeability and
ASTM E-96 Permeability.

*Both tests show **Thermo-shield** roof coat with 8.8 perm rating, this is excellent, 160 x as much as one of our main competitors, claiming the same property.*

Japanese JIS (Industrial Standards) testing. . .

JIS A 6909 5.12 Test For Waterproofing

Maximum to pass test is 1.0 CM rating,

***Thermo-shield** was 0.1 CM, 10 times better than required.*

JIS A 6909 5.14 Resistance To Weather & Climate

Did not crack, peel, or discolor to minimum scale of #3,

***Thermo-shield** maintained a #4 - #5 scale, rating Excellent,*

best of any paint tested by the Japanese National Testing Laboratories.

US Dept of Energy tests at Oakridge National Labs, Long term
Heat Flux tests on roofing systems.

*After 3 year test, **Thermo-shield** Roof Coat maintained*

70% reflectivity and was still reducing heat flux by 66%.

The best performance of any coating tested.

You can't get a better reference than that!

Hauser Laboratories test comparison of heat transfer through
Thermo-shield vs. other common coatings.

***Thermo-shield** Interior Coat, white .0871 BTUHR sq ft,*

Normal paint , white 1.163 BTUHR sq ft.

Normal paint allows 33% more heat to pass through.

Tests at a certified lab on metal storage buildings

***Thermo-shield** Exterior Coating out preformed 2" of*

Fiberglass In the walls and 3" In ceilings In keeping the

interior cooler, building also cooled off much quicker

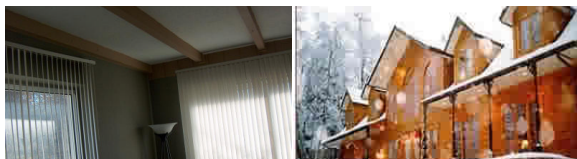
St. Louis comparison tests on 3 houses, one painted with
Thermo-shield Exterior.

*The **Thermo-shield** house had energy costs that were 42 percent less, savings summer and winter, totaling \$760.00 per year .*

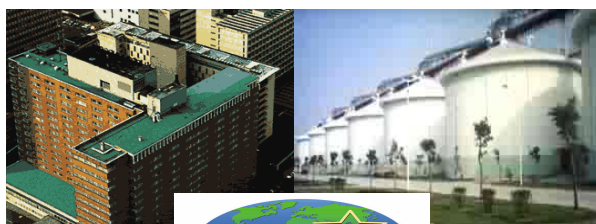
* Note some specialists say the ASTM formula for R-Value in this test "R = 1/K" is oversimplified .

Thermo-shield Benefits

Beautiful Finish - Blocks Heat Gain or Loss -
Waterproofing - Variable Permeability - Humidity
Control - Noise Absorption - Non Toxic in Liquid or
Cured Form - No Joints or Seams - Low VOC / No
Harmful Emissions - Washable, Scrubable -
Eliminate Condensation - Environmentally
Friendly - Easy to Insulate Existing Buildings - Foot
Traffic Resistant - Remains Flexible - Mold, Mildew,
Fungus Resistance - Stain Resistant -
Energy Savings/Quick ROI - Easy to Apply - High
Fade Resistance - Long Life Performance - Chemical
Resistant - Crack Bridging - Improves Air Quality -
Long Factory Warranty - Un Effected by UV Expo-
sure - Fire Resistance - Blocks Sound Transmission -
Competitive Price -
Over 25 Years of Testing and History



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THERMO-SHIELD®

INTERIOR

THERMO-SHIELD products are the original ceramic fortified coatings developed in Colorado Springs, in the 1970's. General Industries Corp. worked closely with the 3-M company who developed the correct ceramics, and Rohm + Haas, who formulated the unique polymers and pure acrylic resins. These industry leaders worked 7 years to develop the "PERFECT" coatings system. **THERMO-SHIELD** products are the result! Proven here and around the world, in some of the harshest climates on Earth,



Over 25 Years of Service!

USING THERMO-SHIELD INTERIOR, IN PLACE OF PAINT, CAN SAVE YOU BIG \$\$ ON YOUR HEATING AND COOLING COSTS. THESE COATINGS CAN PAY FOR THEMSELVES MANY TIMES DURING THE 15 YEAR GUARANTEED LIFE



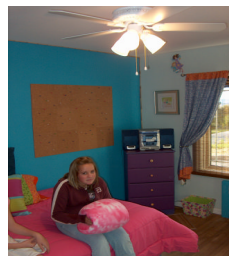
**And its very Affordable
A gallon of Interior Wall Coat
retails for \$39.00. It has a
2 - coat coverage of 132 sq. ft.
that's just
29 cents per sq. ft.**

Interiors . . .

THERMO-SHIELD Interior Wall Coatings provide a beautiful "satin-like" finish that changes tones as the light changes. The ceramics reflective ability will brighten even a dark hallway, using the same existing light. Lab tests show 37% less heat loss through THERMO-SHIELD white interior, compared to white paint, and that's just the ceramics at work! Factor in a seamless, monolithic, crack free ceiling and wall system and air infiltration is dramatically reduced! This can lead to **savings of up to 50% on heating and cooling costs!**

THERMO-SHIELD products are totally breathable, never trapping moisture, mold, or mildew in your walls. In fact the special polymers and resins in the coatings will take excess moisture from the from the substrate, preparing the wall for winter, making it more efficient, it also helps keep humidity levels at optimum conditions. No toxins, emissions, or fumes, dirt and dust levels are significantly reduced.

Heated molecules strike the ceramics and bounce away, staying in constant motion. Molecules in motion cause a phenomenon called "mean radiant heat", which is like standing in the sun or standing in the shade. The temperature will be the same but feels much warmer in the sun because of the molecules in motion striking the skin. This happens in a **THERMO-SHIELD room**, customers tell us they "set their thermostats 4-6 degrees cooler and experience the same **COMFORT LEVEL!** Durable, scrubable, stain resistant, easy to clean. Class A fire resistance rated.



The ceramics also improve sound quality, muffling echoes, improving acoustics and reducing sound transmission.

Infrared Imaging shows heat from hand radiating back into Thermo-shield room, while heat just disappears into wall with ordinary paint

Thermo-shield



Ordinary Paint



**USE ON: any interior wall or ceiling surface,
AND THERMO-SHIELD PRODUCTS
LAST 3 TO 5 TIMES LONGER**