

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 reduced heat flux by 66%.
 The best performance of all white and aluminum coatings 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 37% more heat to pass through.*

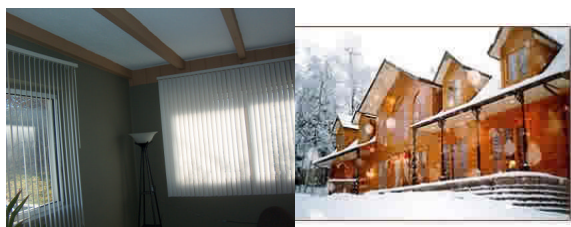
Tests at a certified lab on metal storage buildings
*Thermo-shield Exterior Coating out preformed 2" of
 Fiberglass in the walls and 3" in ceilings in keeping the
 interior cooler, building also cooled off much quicker*

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 .*

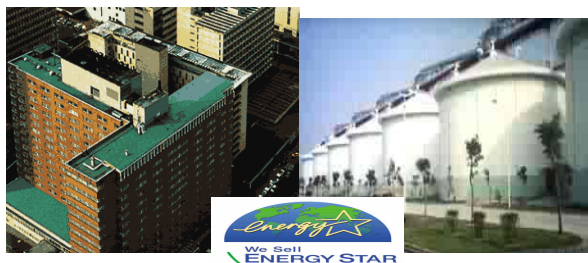
* Note some specialists say the ASTM formula for R-Value in this test "R = 1/K" is oversimplified .

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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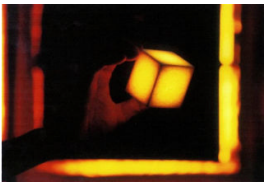


HOW IT WORKS

THERMO-SHIELD products are the original ceramic fortified coatings developed in Colorado Springs, CO. 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



Ceramics are known to be a great non conductor of heat as shown here. The ceramic cube glows at 2200 degrees f in the center, yet can safely be handled by bare hand. Physics law states nothing can move by conduction

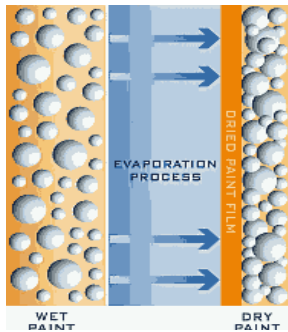
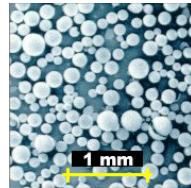
through a vacuum, since it represents an absence of matter. In plain English it's impossible for heat or sound to travel by conduction through a vacuum. Space Shuttle technology combines ceramic tiles with a vacuumed center to protect the Space Shuttle against the incredible heat at re-entry.



In the early 1970's General Industries Corp, joined with the 3-M Company, and Rohm & Haas, to develop this technology into a system that could be used on homes and buildings.

After 7 years of research and development Thermo-shield was born.

The 3-M Company supply the ceramic, microscopic hollow sphere's, in effect, miniature thermos bottles that are also vacuumed. Rohm & Haas helped develop the special pure acrylic resins and unique polymers that keep the ceramic solids in uniform suspension until applied. These special polymers and resins also give it the lasting flexibility, excellent adhesion, and the unique ability to achieve a long lasting protective barrier, but with none of the reported damaging side effects with some EIFS systems. Waterproofing when you need it, breathable when you don't, never trapping moisture in.



Thermo-shield products are fluid applied and dry to form a seamless monolithic micro-structure virtually eliminating air infiltration and heat transfer. Surfaces coated are not only reluctant to conduct heat, but reflect, and dissipate heat away from the surface. This very effective THERMAL BLANKET blocks heat from entering in the summer, but

also helps keep the heat in during the winter.

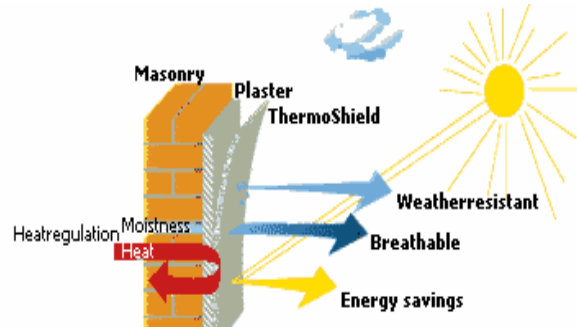


Micro-spheres are poured into bare hand and propane torch is ignited



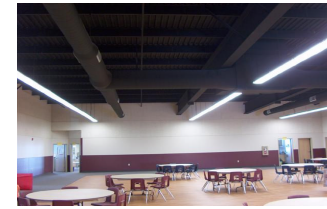
Micro-spheres protect hand from incredible heat of the torch

All of the ingredients are synthetic. Most other paints and coatings use organic materials as fillers. Natural materials that are readily broken down by nature: Thermal Shock, Extreme Heat or Cold, Chemicals, Ultra Violet Radiation, Ozone Decay, Blistering, and Weather such as Wind, Rain, Snow, Hail, or sand abrasion. Other coatings get hard, crack, peel, fade, decay and turn chalky, or simply decompose. The ceramic vacuum micro-spheres are the filler in Thermo-shield. The coating protects its self as well as the substrate it covers, this makes Thermo-shield last and last. The first applications done back in the early 1980's still look sharp, bright, and like new.



The special polymers will remove the moisture that has built up in walls over time and various conditions. This makes the walls more efficient. Its hard to stay warm in a wet coat and the same is true with your walls

Great Science. Great Service. Great Savings.



Elementary Level Charter School opens in Salt Lake City for 06-07 season. School has Thermo Interior throughout.

48,000 sq ft school has heating bills that average only \$300.00 per month for record cold winter 2006



Waterproofing and color change, the goal on this home, SLC, UT. a low slope aluminum shingle that was PINK! Leak issue solved, color issue solved. Owner shocked- reports using 34 % less gas to heat !

1 of the 3 Thermo-shield coated homes that survived the Jones Valley fire in Redding, California 2003. Over 60 homes were destroyed in this mobile home complex, including the neighbors on all sides of this one. The one thing the 3 homes that survived this disaster have in common is Thermo-shield Exterior Walls



Historic home turned office headquarters of Management in SLC, UT has been restored using Thermo-shield Exterior. Just approved for National Historic Registry. (owner also has Interior Wall Coat in

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Owners of 55 ft. houseboat, The Jobsite, out of Bull Frog Marina, Lake Powell Utah where summer temperatures routinely reach 120 f have Thermo-shield Roof System and report "stopped all leak concerns and has dropped temperature in boat by 40-50 degrees. Love it!

University of Nevada, Las Vegas developed the Arid Regions Environmental Laboratory to test new technologies that could help in saving on energy demand. They constructed 2 identical chambers equipped with a heating and cooling system and various sensors to measure energy usage. The first technology tested was ceramic fortified coatings. June-September, 1994 One chamber coated with white exterior paint, one with ceramics. ceramics saved, on average, 51.32 % of energy