

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 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 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 Exposure - Fire Resistance - Blocks Sound Transmission - Competitive Price -
Over 25 Years of Testing and History



EXTERIOR WALL COAT, INTERIOR WALL COAT,
ROOF COAT, TEXTURE COAT, TANK SHIELD,
CLEAR WOOD AND DECK COAT



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THERMO-SHIELD®

EXTERIOR

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 !

Just using **THERMO-SHIELD** EXTERIOR IN PLACE OF PAINT CAN SAVE YOU UP TO 50 % ON YOUR **HEATING** AND **COOLING** COSTS. THIS COATING WILL PAY FOR ITSELF MANY TIMES OVER DURING THE 15 YEAR GUARANTEED LIFE


THERMO-SHIELD®



And it is very **AFFORDABLE** ! A gallon of Exterior Wall Coat has a retail cost of **\$49.00**, and has a 2 coat coverage of 132 sq.. Ft. . . **that's just .37 CENTS** a square foot

Exterior ...

THERMO-SHIELD Exterior Wall coatings will not crack, chip, peel, or fade. Even deep, rich colors will stay vibrant and bright, Blues stay blue, Yellows stay yellow, Reds won't fade and wash out, even in the harshest climates. The flexible, seamless, monolithic system will bond to almost any clean surface, filling cracks and gaps and also prevents new one from forming. It is 100% waterproof when you need it, yet absolutely breathable, never trapping moisture, mold, mildew, or dry rot in your walls. The unique nature of this remarkable coating will remove moisture that has built up in walls for years, preparing the wall for winter. You can't stay warm in a wet coat, and the same is true with walls.

THERMO-SHIELD is tintable to any color you can imagine, or it can be matched to your existing color. The longest lasting fade resistance available allows you to phase your project to suit your budget and not end up with a patch work look. The coatings are produced from 100% synthetic materials. This is important because paints and other coatings use fillers (a polite word for various clay, or silt, OTHERWISE DIRT) , organic materials that are readily broken down by nature. The vacuumed ceramic micro-spheres are the filler in **THERMO-SHIELD**.

These ceramics make the coating an excellent insulator, performing like inches of other insulation. That's just the ceramics, factor in that

THERMO-SHIELD forms a seamless, beautiful, crack free surface, and then remains flexible, even in the harshest of conditions, this can dramatically reduces air infiltration and can lead to **savings of up to 50%**

of your **heating** and **cooling** costs.



ALL THESE BENEFITS FOR THE COST OF PAINT !
Insulate, Restore, Beautify, Protect, Sound Proofing, Fire Resistance, Healthy Room and Environment



USE ON: STUCCO, WOOD, CONCRETE, STEEL OR ALUMINUM SIDING, MASONITE, HARDI-BOARD, METAL, CEDAR SHINGLE, FIBREGLASS, BRICK AND BLOCK, PLASTER,, TILE, GLASS, VINYL, FABRIC, ETC, ETC, ETC ..

AND THERMO-SHIELD WILL LAST 3 TO 5 TIMES LONGER THAN PAINT !