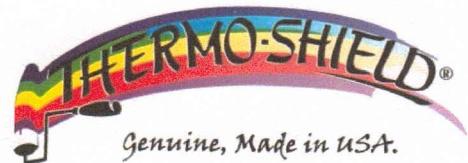


Genuine, Made in USA.



Genuine, Made in USA.

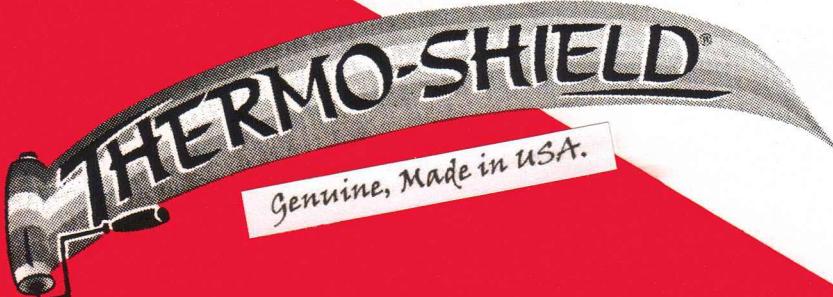
SPM THERMO-SHIELD, INC.

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Genuine, Made in USA.

## Fluid Applied Ceramic Roof and Wall Coatings

**Heat Loss or Gain  
Reduce Noise Levels  
Condensation Control**

Insulates with a beautiful finish

Repairs Interior and Exterior Surface Cracks

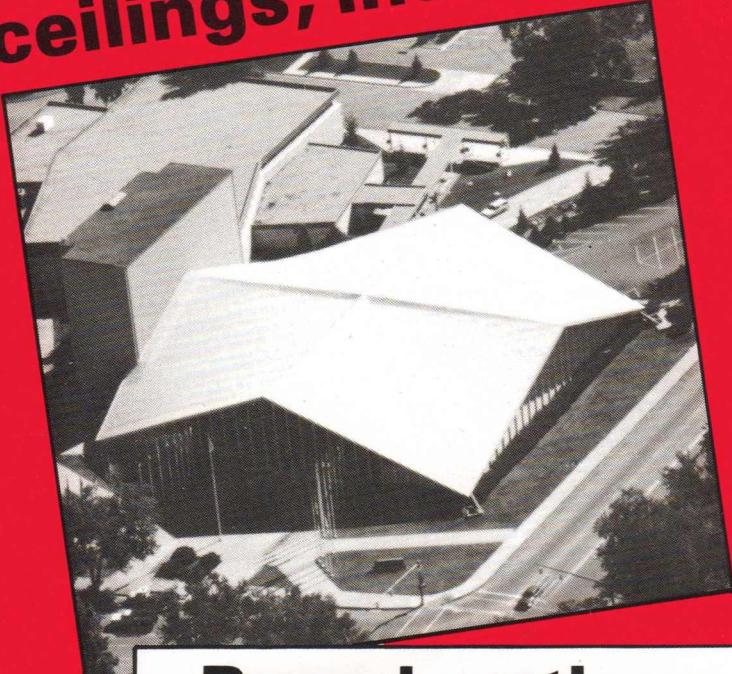
Restores Appearance of Old Surfaces

Protects Substrate from Sun's Ultraviolet Rays

Excellent Adhesion to a Variety of Substrates

Superior Flexibility at Extremely Low Temperatures

# A revolutionary new way to insulate, repair, maintain and preserve roofs, ceilings, interior and exterior walls!



For industrial, commercial, agricultural, and residential use. On interior or exterior surfaces, including unprimed and galvanized metal, in any climate. A coat of THERMO-SHIELD® (a Fluid Applied Ceramic Roof and Wall Coating System) can give savings equal to inches of other type of insulation as well as stopping air infiltration.

Unlike some coatings that make minor insulation claims based solely on reflectivity, THERMO-SHIELD® creates a thermal barrier that is reluctant to conduct heat and readily dissipates heat.

THERMO-SHIELD® bonds to surfaces other products cannot, such as unprimed or galvanized metal, tile, asphalt, bituminous or composition and metal roofs, and wood that is subject to swelling and shrinking.

THERMO-SHIELD® insulates the substrate as well as the surface from weather and ultraviolet damage, and lasts 2 to 3 times longer than conventional products.

The insulation properties unique to THERMO-SHIELD® makes the system an effective noise barrier.

## Based on these comments — imagine what THERMO-SHIELD® Fluid Applied Ceramic Coatings will do for you:

"We have raised rabbits for the past six years and heat inside the hutches has always been a problem. We applied THERMO-SHIELD® to the hutches and within fifteen minutes the inside temperature dropped from 102 to 74 degrees F. Needless to say, we are impressed." —Marilyn C., Denver, Colorado

"We have always had to repair our building's roof every year and still the leaks would come back. Our tenants were becoming very irritated and threatening to move out. Your product has totally stopped all our problems, which is quite an amazing feat." —J.W.H., Aberdeen, South Dakota

"As you know, we had a number of flat roof buildings with severe, constant leaking problems. We had tried everything and our next step was to build pitched roofs over them. About that time we became aware of THERMO-SHIELD® and I am pleased to say — it has solved all our problems, cooled the buildings, and saved the city a significant amount of money." —Dale O., City of Colorado Springs

"Thank you for your technical and practical support. I am pleased with the ease of application without having to rent any expensive equipment. Our energy research building is a polyurethane dome shaped building and coating it with THERMO-SHIELD® couldn't have been easier. I will be happy to inform anyone about your very fine product." —Leonard G., Physics Dept., Univ. of Colorado

"I have just finished painting the exterior walls of my house and I am very impressed as to how much cooler the inside of our house is. Friends comment that they are amazed how cool it is and can hardly believe we don't have an air conditioner. Outside temperatures can be in the 90's and 100's and our house stays in the 70's." —Larry K., Eureka, South Dakota

"Our Arizona weather gets very hot and we just had a chance to see immediately what your product would do in turning back heat. I must say, it did a powerful job. Our THERMO-SHIELD® roof seems destined to help solve a big heat problem. We will keep you informed." —Robert S., Mesa, Arizona

## **THERMO-SHIELD® means**

### **Thermal Control**

THERMO-SHIELD® is a proven superior insulating material. Key among the advanced features of THERMO-SHIELD® is the placement of a newly developed hollow ceramic micro-sphere as a component specially formulated with a acrylic mastic that keeps the borosilicate ceramic spheres in uniform suspension. Surfaces that are coated with THERMO-SHIELD® are reluctant to conduct heat and reflect as well as dissipate heat away from the surface. Because it is fluid applied, it forms a seamless monolithic seal, eliminating virtually all air infiltration which can be a major source of heat transfer in buildings. These factors equate to substantial reductions in energy usage and costs.

## **THERMO-SHIELD® means**

### **Noise Control**

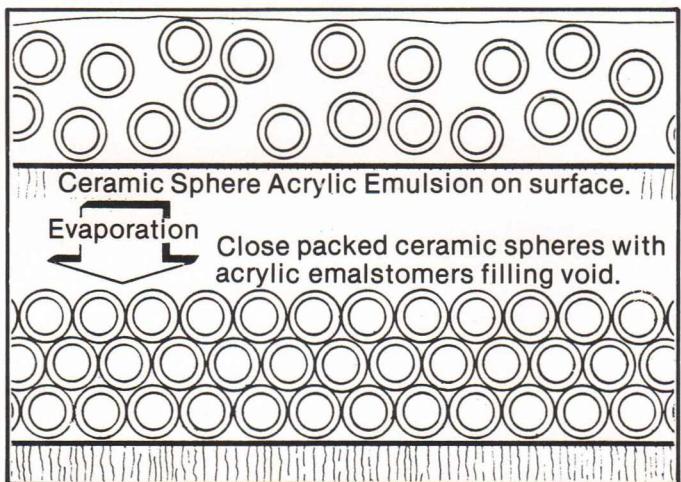
THERMO-SHIELD® is ideal wherever sound level reductions are required. Unlike other products that absorb sound and thereby transmit noise, THERMO-SHIELD® reflects sound back to the source, not allowing the surface to conduct sound. This makes the product an excellent choice for some applications such as motel and hotel rooms and other public buildings where excessive noise levels occur.

## **THERMO-SHIELD® means**

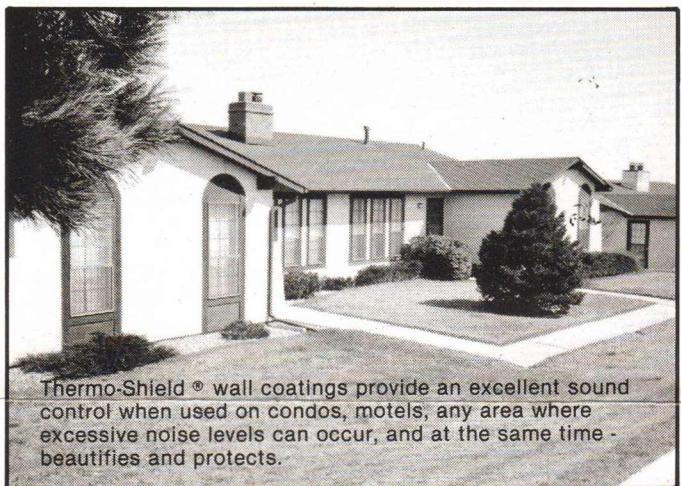
### **Condensation and**

### **Water Penetration Control**

THERMO-SHIELD® has excellent elongation and recovery properties. This property yields a protective barrier resistant to hail, water and wind damage. The hollow ceramic microspheres used in THERMOSHIELD® are over 60 percent void. They are bonded directly to the surface forming a seamless blanket. This eliminates any warm air to cold surface contact and reduces the temperature differential thereby reducing or eliminating condensation. In areas where excessive moisture is present it is necessary to provide adequate ventilation.

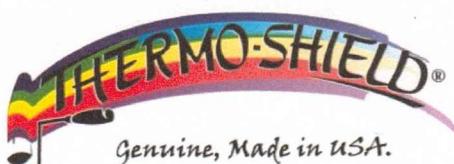
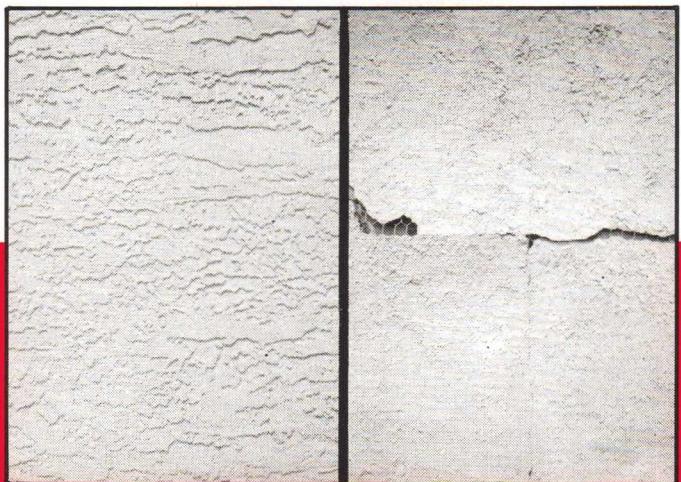


In an acrylic elastomeric emulsion systems, as the water evaporates the hollow ceramic spheres approach each other, eventually touch and fuse into a continuous film.



Thermo-Shield® wall coatings provide an excellent sound control when used on condos, motels, any area where excessive noise levels can occur, and at the same time - beautifies and protects.

The product is excellent for insulating from the outside while at the same time stopping moisture penetration and the resulting cracking that takes place. Surface cracks are completely hidden.



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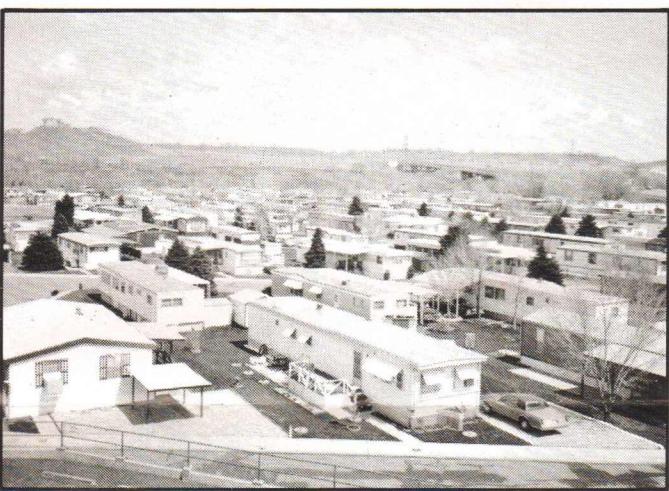
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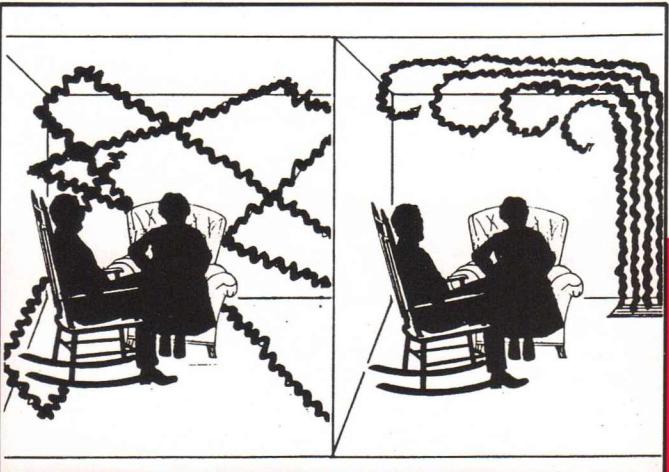




Thermo-Shield® roof coatings provide a fire and weather resistant, flexible coating that can reduce energy costs up to 40%.



Thermo-Shield® roof coatings are waterproof, deaden sound, prevents roof movement and are hail and fire resistant.



## How the Fluid Applied Ceramic Coating System Works

THERMO-SHIELD® differs from other methods of insulation because of its unique formula that takes advantage of **3 LAWS OF PHYSICS:**

- 1.** THERMO-SHIELD® provides a durable thermal barrier. The insulating hollow ceramic beads incorporated in the THERMOSHIELD® formula behave much like glass but even more efficient. Glass can be heated by a torch until it melts and yet it can be safely held in hand at the same time.
- 2.** THERMO-SHIELD® dissipates heat. Within 10 seconds of removing a blowtorch flame from a glass rod or the hollow ceramic beads, they can be safely handed from one hand to another. That means that over 2000 degrees of heat have been dissipated in less than 10 seconds.
- 3.** The hollow ceramic microspheres reflective quality affects the warming phenomenon called "Mean Radiant Temperature," where heat waves from a source such as direct sunlight cause a person to feel warmer even though the actual air temperature is no different between a shady and a sunny location. It is the molecular friction within the skin which makes the body feel warmer. So the surrounding air can be cooler but the body will feel warmer in the presence of THERMO-SHIELD®, meaning thermostats can be set lower for the same degree of comfort.



*Heat kept out of the building  
doesn't have to be removed!*



LISTED

# Fluid Applied Ceramic Roof and Wall Coatings