



## **PRESENTS TEMP-COAT®**

### **EXECUTIVE SUMMARY**

Temp-Coat® is an innovative environmental ceramic insulation and lightweight thermal barrier. It possesses superior insulating qualities for hot and cold applications and far surpasses old-fashioned "conventional" insulating materials. It has been installed in harsh environments for over 19 years with NO product degradation or warranty claims.

Temp-Coat® was first developed for the National Aeronautics and Space Administration –USA (NASA) as an insulating coating for the U.S. Space Shuttle. The unique insulating capacity of Temp-Coat® is a result of the intense molecular action of air within microscopic hollow glass beads.

#### Product Characteristics:

- Product weight is 5.9lbs per gallon.
- Stable in many hostile environmental conditions in temperatures between -30 F and +500 F.
- Pre-mixed composite material of 80% air filled ceramic and silicon beads.
- Beads are held in suspension by high-grade liquid vinyl base with acrylic binders.
- Elastomeric properties of lightweight, pliable, expands and contracts with the surface to which it is applied.
- It is impervious to mold and mildew and does not disintegrate.
- ph of 8.2 and is water-soluble
- It contains no chlorine, no VOCs and no heavy metals

#### Applications:

- Adheres to any surface including metals, glass, concrete, plastics (PVC), fiber board and wood
- Prevents oxygen and condensation from reaching that surface preventing corrosion.
- Provides an average reduction of 16% to 30% in energy consumption.
- A 20 mil (20/1,000 of an inch) layer of the product covers approximately 60 square feet and offers an R 12 value (thermal insulation) A 40 mil (40/1,000 of an inch) provides an R 20 value. (interior application)
- Trained personnel used to ensure correct application.
- Outstanding insulation for roofs, walls and general facility applications
- Places of application include: Naval ships, tanks, military buildings, large storage facilities, highways, bridges, rail cars, shipping vehicle (trucks), pipes, any kind of holding tanks, and much more.

#### Manufacturing:

- Temp-Coat® product is manufactured at two plants in Georgia and Texas.




- Each plant produces 10 million gallons a year and can be expanded as required.
- Production facilities currently operating at 50% of current capacity.

#### Delivery & Shipping:

- TEU (Twenty Foot Equivalent) ISO container holds 4,200 Gallons or 840 Pails of Temp-Coat.
- FEU (Forty Foot Equivalent) ISO container holds 8,200 Gallons or 1,640 Pails of Temp-Coat.
- The lowest cost port for international shipment is Atlanta Rail Head to Savannah, GA and shipment via container ships to most world wide ports.
- The Importer is responsible for all shipping charges. Product is shipped by ExWorks from point of manufacture in Atlanta, GA to the destination.
- When trucking and rail head are used to ship to Savannah the product will usually arrive at the port within 24 hours of shipping.

Certifications:



- Department of Energy-Energy Star (2003)
- Department of Homeland Security
- NAVSEA Systems Command (2003)
- NAVAIR Systems Command (2000)
- Food and Drug Administration
- Department of Agriculture

ASTM Tests Satisfied:

- C-177 Thermo-Conductivity
- D-792 Density/Weight
- G-53 Accelerated Aging
- B-117 Salt Fog Testing
- D-3359 Cross Hatch Adhesion
- D-882 Tensile Strength
- E-84 Flame Spread
- E-1461-92 Thermal Diffusivity
- E-1269 Specific Heat Capacity

Testimonials:

- U.S. Coast Guard
- U.S. Navy
- U.S. Army
- U.S. Government Equipment & Facilities
- State of Louisiana Department of Highways
- Dole, Chiquita & F. Christina & Co. Food Refrigerated Trucks
- Shell Oil Offshore
- Marathon Coach
- UCAR Pipeline Inc.
- Helmerich & Payne International Drilling Co.
- ARCO

For more information please contact:  
Brian Jaeger. President  
Innovative Green Solutions  
C. 303-619-7124  
[bjag.igs@gmail.com](mailto:bjag.igs@gmail.com)