

Coat'N'Cool[™]HMS

High-Tech Coatings for High-Temp Conditions

HEAT MANAGEMENT SYSTEM FOR SURFACES EXPOSED TO DIRECT SUNLIGHT

Advantages and Benefits

- Reduce the cost of energy used for cooling by 10 to 30 percent.
- Wall applications reduce the cost of energy used for cooling up to an additional 6 percent.
- Can be applied on walls, low slope roofs, steep sloped roofs.
- Replacement of entire roof or wall system not required - simply patch and apply.
- Can be sprayed with commercial sprayer (0.17 tip) or applied with a ¾ to 1 inch nap paint roller.
- Excellent adhesion allows for use on varied surfaces: aluminum, asphalt emulsions, concrete, foam roofing, galvanic metals, glass, plastics, wood, stucco, and brick.
- Increases of occupant comfort and productivity, especially in non-air conditioned areas.
- Decreases roof maintenance costs by coating and protecting roofing materials and reducing up to 84 percent of solar heat adsorption, thereby greatly reducing surface temperatures.
- Increases life and decreases maintenance costs of HVAC equipment.
- May contribute to Leadership in Energy & Environmental Design (LEED) certification (SS 7.1, SS 7.2).
- Addresses air pollution and global warming concerns.
- Contributes to reduction of the local "Urban Heat Island Effect."

BUILDING APPLICATIONS

New construction.

Existing commercial and residential roofs and walls.

Institutional – military facilities, schools, universities, medical facilities, public buildings.

Features

- Architectural coating specially engineered to reflect solar radiation – the visible and nearvisible ultraviolet (UV) and infrared (IR) radiation emitted from the sun.
- Long lasting, easy-to-apply 1-part water-borne epoxy coating system using a basecoat and topcoat.
- 1-part water-borne epoxies are epoxies that are fused with water and use air as their catalyst.
- Complex Inorganic Compounded Pigments provide very high reflectivity and high fade resistance.
- Solar Reflectivity will vary by color. Initial basecoat white color has a solar reflectivity is 0.83 with a thermal emittance of 0.87.
- Low mil thickness requirement at 3 to 5 mils dry (76 microns) for both basecoat and topcoat.
- VOC compliant: 11.0 g/l Basecoat and 13.2 g/l Topcoat.
- Non –hazardous formulation, Water cleanup.
- Available in a 30 standard colors – special matching available.
- Eight colors for low and steep sloped roofs that have been rated by the Cool Roof Rating Council (CRRC).
- Low-sheen finish.
- 20-year fade resistant.
- Resistant to mildew and algae.
- Inhibits rust.
- Class A fire rated.
- Up to 10-year warranty (limited).

OTHER APPLICATIONS

Cold storage warehouses.

Water tanks, gas tanks, oil tanks.

Freight shipping containers.

Mobile homes/offices.

Equipment sheds/storage sheds.

CCJJ LLC (*Makers of Coat 'N' Cool[™]*)

22895-F Savi Ranch Parkway, Yorba Linda, CA 92887

866.971.6935 office

www.coatncool.com

714.279.0252 fax