

## PRODUCT INFORMATION

### CERAMIC INSULATING COATINGS



Another amazing NASA spin-off has made it to the streets. Ceramic insulating coatings that can lower the temperature inside the building structure by 20 per cent are being applied to building exteriors and roofs across America.

**DURATEK**, a company based in Honolulu Hawaii imports ceramic insulating coatings from U.S. manufacturers that were originally developed by NASA as a radiation control coating for the space shuttle. The formulation that has been developed and refined is a heat, cold, water and abrasion resistant elastic coating, and has proven to have tremendous benefits for the building envelope. **DURATEK's** ceramic insulating coatings have proven to outperform and outlast other coating systems in the higher UV areas of the Pacific.

Since 1987, **DURATEK** has been protecting commercial, industrial and residential exteriors throughout the Pacific. By applying **DURATEK** insulating coating products to buildings, owners have increased the value and lifespan of their properties without the time and expense of traditional re-roofing, insulation or resurfacing. **DURATEK has proven to solve corrosion and leaking problems while reducing interior building temperatures.** The following benefits and performance values of our roof coating products have been documented:

**INSULATES:** Outperforms 7" of fiberglass insulation. Keeps interiors cooler and more comfortable. CUTS COSTS of air conditioning by up to 40%. In industrial applications such as fuel storage tanks, increases storage capacity.

**INHIBITS RUST:** Prevents perforation and damage due to corrosion

**PROTECTS:** Against UV, chemical damage. Roof coating/insulating ceramic paint is not affected by high winds or rain. Resists Mildew and Algae.

**REDUCES THERMAL SHOCK:** Roof coating/insulating ceramic paint lowers roof temperatures up to 50 degrees. This translates to less expansion/contraction and less stress and wear on fasteners and connection points.

**FIRE RETARDANT:** Insulating ceramic paint/roof coatings have zero flame spread.

**WATERPROOFS:** Roof coating/insulating ceramic paint stops leaks and prevents moisture absorption on all surfaces.

**IMPROVES APPEARANCE:** With an extremely durable elastomeric finish that will not crack, chip or peel. Can be tinted. Cuts your maintenance costs.

**ENVIRONMENTALLY SAFE:** Roof coatings/insulating ceramic paints have no asbestos, lead, vinyl acetate, plastics, oils, odors or gases, no harmful affects to the skin. Washes up with water.

**ENCAPSULATES:** Asbestos surfaces and existing hazardous coatings.

**LONG TERM:** 5 – 10 Year warranties are available from authorized applicators. Note: Manufacturer's written specifications must be followed in the use of **DURATEK** Coatings.

**DURATEK** coatings are typically applied using airless spray equipment at 3,000 psi giving a film thickness of 0.25 to 0.30 mm. A single coat will provide the thermal barrier. A second coat is needed to guarantee water proofing. It dries to touch within hours and cures in one day. As it is an externally applied product any sort of building can be treated with no disruption to activity. The coating is tintable with universal tints however the manufacturers strongly recommend to keep it a light color as dark colors will absorb heat working against the high emissivity of the coating.