



## Achieving Energy Efficiency, CO<sub>2</sub> Emission Reduction and Roof Cost Savings at

- Johnson & Johnson Healthcare Systems, Memphis, TN

### PROJECTED RESULTS

- Pre-installation roof surface temps of 191°+
- Post-installation roof surface temps not more than 5° over ambient (as much as 100° reduction)
- 40%+ reduction in air conditioning electrical energy costs
- Savings of 1,856,000+ kWh per year
- CO<sub>2</sub> emission reductions of 11,560 tons over 10 years
- BTU's removed from roof system
- Eliminated need for roof replacement – extended roof life by 10+ years
- Reduced roof maintenance costs
- Increased air conditioning equipment useful life
- Buildings qualify for LEED-EB credits from the U.S. Green Buildings Council



### THE PROJECT

Intellicoat installed its SolarSave® energy savings roof coating to the roof at Johnson & Johnson Healthcare Systems' building located at 3955 E. Holmes Road, Memphis, Tennessee. The Intellicoat system was installed to generate energy savings, reduce harmful carbon dioxide emissions and extend the useful life of the roof and air conditioning systems. Prior to being awarded the contract, Intellicoat completed a comprehensive building, energy savings and environmental impact analysis at no cost to Johnson & Johnson. This analysis allowed the customer to understand projected energy costs savings, CO<sub>2</sub> emission reduction, roof life extension benefits, roof maintenance cost saving and other benefits. Post installation, Intellicoat continues to provide analysis of the actual benefits received.





## CHALLENGE

Johnson & Johnson is serious about energy savings and environmental sustainability. Intellicoat proposed reductions in kWh consumption, kW demand and overall energy costs which pay for the project costs while delivering environmental and operating benefits. While accomplishing these goals was important, fast capital cost paybacks to meet an appropriate investment return was imperative.

## SOLUTION

Intellicoat Technologies installed SolarSave® on building roofs over covered air conditioned space to reduce energy costs, control peak load demand costs, reduce CO2 emissions, extend the useful life of the roofs and to reduce roof maintenance costs. Intellicoat's pre-installation analysis determined availability of fast paybacks and strong ROI's. That is the Intellicoat Solution.

## ABOUT INTELICOAT

Intellicoat provides single source energy cost reduction services to commercial building owners and operators and is the only energy services company focused exclusively on reducing energy consumption, demand and cost with cool roof solutions. While other companies manufacture and sell cool roof products, only Intellicoat quantifies, measures, verifies, and guarantees energy cost savings. Our environmentally-friendly cool roof solution delivers energy cost savings with aggressive paybacks, enabling our customers to reduce their building's air conditioning energy cost from 25-50%. Intellicoat is the only company of its kind that in its corporate practice, is carbon neutral to the environment.

*Our success with this project was no surprise. With Intellicoat's superior energy savings products and its detailed energy and environmental services, we provide solutions and benefits that are not otherwise available in the industry. It was a pleasure to have had the opportunity to work with a customer so committed to energy savings and environmental accountability as Johnson & Johnson Healthcare Systems.*

*- Alan Hegedus  
CEO, Intellicoat Technologies*

**Quantify. Measure. Verify. Guarantee....only with Intellicoat.**

For more information, please visit [www.intellicoattech.com](http://www.intellicoattech.com) or contact us at 877-821-9546.

