



IQ Edison

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*Advanced Energy Efficiency Roof Coating*



## **Cool Roof Coating System Professional Installation & Service**

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### **Executive Summary**

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IQ Edison is a certified dealer and Installer for NanoTech Materials' advanced Cool Roof Coating System. Our certified technicians provide comprehensive installation, maintenance, and support services for commercial and industrial "Cool Roof" applications.

IQ Edison combines NanoTech Materials' innovative manufacturing excellence with our unmatched installation expertise and customer service commitment. We are your trusted partner for transforming aging roofs into high-performance, energy-efficient systems that deliver measurable cost savings and extended roof life.

## Partnership Excellence

**NanoTech Materials:** Advanced coating manufacturing and R&D  
**IQ Edison:** Professional installation, service, and customer support

## Key Benefits & Energy Savings



*Advanced Nanotechnology Science Behind Cool Roof Coatings*

### Energy Savings

Up to **50% reduction** in cooling costs with documented savings of up to **6.64 kWh/m<sup>2</sup>** annually

### Cost Savings

Annual cost savings up to **\$1.16/m<sup>2</sup>** with typical payback periods of 2-4 years

### Roof Life Extension

Extend roof life by **10-20 years** through UV protection and thermal stress reduction

### Certified Quality

**ICC, CRRC, and Miami Dade** certified systems ensuring peak performance and compliance

### Traditional Dark Roof

Surface Temperature: **160-180°F**  
High Heat Absorption

### Cool Roof Coating

Surface Temperature: **100-120°F**  
Superior Heat Reflection

Increased Cooling Costs

Reduced Energy Consumption

## NanoTech Materials System Components

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*Advanced NanoTech Materials Cool Roof Coating Technology*

IQ Edison professionally installs the complete NanoTech Materials Cool Roof System, featuring advanced coating technology engineered for maximum performance and durability.

### **1. Cool Roof Coat**

High-performance acrylic coating with 71% solids content. Proprietary low thermal conductivity formula delivers up to 50% energy reduction even when dirty or under harsh UV exposure.

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### **2. All Weather Coat**

Next-generation crosslinking acrylic coating built for extreme conditions. Forms seamless, flexible membrane resistant to UV damage, ponding water, and hail impact.

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### **3. Fabriseal**

Sprayable, fiber-reinforced acrylic seam sealer providing long-term flexibility. Eliminates need for fabric overlays by filling gaps and sealing seams in one application.

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### **4. Rain Safe Leak Repair**

Extreme-weather waterproofing coating curing in standing water. Kevlar-reinforced technology creates tough, seamless membrane with 5-year guarantee.

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### **5. Roof Cleaner**

High-performance waterborne cleaner for single-ply roofing preparation. Removes surface residue and degraded rubber, enhancing adhesion effectiveness.

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### **6. Roof Sealants (Silicone & Acrylic)**

Specialized sealants for different system applications. High-solids formulations providing superior adhesion and weather resistance.

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### **7. Rust Inhibiting Primer**

Two-in-one rust converter and primer streamlining metal roof preparation. Passivates active rust while creating corrosion-resistant surface.

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### **8. Skylight Sealer**

High-performance transparent coating protecting skylights and panels. Fast-curing fluoropolymer urethane maintaining crystal clarity without yellowing.

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### **9. Sub Slope Silicone**

High-solids, moisture-cure silicone coating for exceptional flexibility. Superior elongation prevents cracking in high-movement conditions.

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### **10. TPO Primer**

Fast-drying primer improving adhesion on metal, concrete, and single-ply systems. Essential base for optimal coating performance.

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IQ Edison

## Case Studies & Proven Results

### Commercial Building Energy Savings

Metric	Before Coating	After Coating	Improvement
Peak Roof Temperature	175°F	115°F	60°F Reduction
Monthly Cooling Costs	\$2,400	\$1,920	20% Savings
Annual Energy Consumption	45,000 kWh	36,000 kWh	9,000 kWh Reduction
Interior Comfort Rating	6/10	9/10	50% Improvement

**Result:** The client achieved \$5,760 in annual savings with a 2.8-year payback period on their investment.

### Multi-Building Industrial Complex

A 200,000 sq ft industrial facility experienced remarkable results after their professional Cool Roof installation:

- **Energy Reduction:** 35% decrease in summer cooling costs
- **Temperature Control:** 45°F average roof surface temperature reduction
- **Comfort Improvement:** 30-50% better interior comfort on cooling degree days basis
- **Maintenance Savings:** Eliminated need for roof replacement, saving \$400,000



*Professional Commercial Cool Roof Installation*

## **IQ Edison Professional Services**

### **Consultation & Assessment**

Comprehensive roof evaluation, thermal analysis, and customized system design for optimal performance and ROI.

### **Expert Installation**

Certified technicians trained in NanoTech Materials application techniques ensuring proper coverage and system integrity.

### **Quality Assurance**

### **Warranty & Support**

Rigorous project management with multi-point inspections, thickness verification, and performance testing.

Comprehensive warranty coverage with ongoing maintenance programs and responsive customer support.

### Emergency Services

24/7 emergency repair services using Rain Safe technology for urgent leak repairs in any weather.

### Maintenance Programs

Scheduled inspections and preventive maintenance to maximize coating life and maintain peak energy performance.

## Certifications & Quality Standards

### Industry-Leading Certifications

ICC CERTIFIED

CRRC APPROVED

MIAMI DADE

Standard	Certification	Benefits
International Code Council (ICC)	Code Compliance	Building code approval nationwide
Cool Roof Rating Council (CRRC)	Energy Performance	Verified reflectance and emittance values
Miami Dade County	Hurricane Resistance	Extreme weather durability testing

### IQ Edison Quality Standards

- Certified installer training and ongoing education
- Standardized application procedures and quality checkpoints
- Advanced equipment and professional-grade tools

- Comprehensive warranty and performance guarantees
- Regular third-party inspections and testing

## Installation Process Excellence

Phase	Activities	Quality Controls
Assessment	Roof inspection, substrate evaluation, system design	Thermal imaging, moisture testing, structural analysis
Preparation	Surface cleaning, repairs, primer application	Surface adhesion testing, thickness verification
Base Coating	Seam sealing, base coat application, curing	Coverage inspection, cure verification
Top Coating	Final coat application, detail work, finishing	Thickness testing, visual inspection, performance testing
Final Inspection	System verification, documentation, warranty activation	Comprehensive quality audit, client walkthrough



### Ready to Transform Your Roof?

Contact IQ Edison today for a comprehensive assessment and a customized Cool Roof Coating solution.

### Professional Consultation Process

### **Step 1: Initial Assessment**

- Comprehensive roof inspection
- Thermal imaging analysis
- Structural evaluation
- Energy consumption review
- Cost-benefit analysis

### **Step 2: Custom Design**

- System specification selection
- Material quantity calculation
- Project timeline development
- Detailed cost proposal
- ROI projections

### **Step 3: Professional Installation**

- Certified technician deployment
- Quality control checkpoints
- Progress monitoring
- Final inspection
- Warranty activation

**Every project includes thermal imaging verification, energy savings projections, and comprehensive warranty coverage**

## **Contact IQ Edison**

**Phone:** (832) 944-8881

**Email:** [service@iqedison.com](mailto:service@iqedison.com)

**Website:** [www.iqedison.com](http://www.iqedison.com)

**Address:** 825 Town and Country Lane, Suite 1200  
Houston, Texas 77024

*Your partner in advanced roofing solutions and energy efficiency*