



OPTIMIZE[™]
COATINGS

KWGuard

A Proprietary
Application System

HVAC Corrosion Control + Energy Savings

KW Guard is a proprietary application system developed by our certified Optimize applicator network that focuses on rooftop-mounted HVAC equipment. This application system combines siloxane coating of the HVAC coils with ceramic radiant barrier coating for the HVAC cabinets. This achieves the most cost effective energy savings, energy efficiency and longest equipment life for rooftop commercial cooling systems. KW Guard will help customers with rooftop-mounted HVAC equipment to reduce their monthly energy cost by a minimum of 15 to 20%.

Siloxane coatings provide industry-leading corrosion/mold control and enhance energy performance of any heating or cooling coil. While most coatings are 3 to 6 mils thick, Siloxane coatings are 0.6 to 0.8 mils thick, with a U factor of approximately .007. This allows us to provide the highest level of protection for the coils, maintain/enhance the energy performance of the coil and potentially double the expected life of coils in some coastal environments.

Ceramic radiant barrier coatings are utilized on the HVAC unit cabinets to provide corrosion/rust control. UV inhibitors/blockers in our radiant barrier coatings reduce the heat transfer from the sun to the cabinet. This reduces energy consumption/costs and increases the life expectancy of the HVAC unit.

KW Guard provides these benefits:

- Increases efficiency
- Reduces peak demand
- Reduces load
- Reduces runtime
- Reduces high temp failures
- Reduces maintenance cost
- Increases the life of the unit
- Reduces carbon foot print

Optimize provides corrosion and energy efficiency solutions for all types of commercial HVAC equipment. Our coatings and KW Guard application process works for retail centers, schools, government/military facilities, oilfield facilities (on and offshore), manufacturing plants, etc. Let Optimize Coatings help you solve your HVAC rust/corrosion, energy, reliability and life cycle issues.

We have conducted many data trials at customer's sites to prove the savings. KW Guard customers from national restaurant chains, schools, medical offices and manufacturing facilities realized from 21%-28% and higher energy savings with our coil and cabinet coating products and application process.

BEFORE KW GUARD



AFTER KW GUARD



Call (502) 992-0670 today to see how quickly you can begin to save energy dollars every month.

