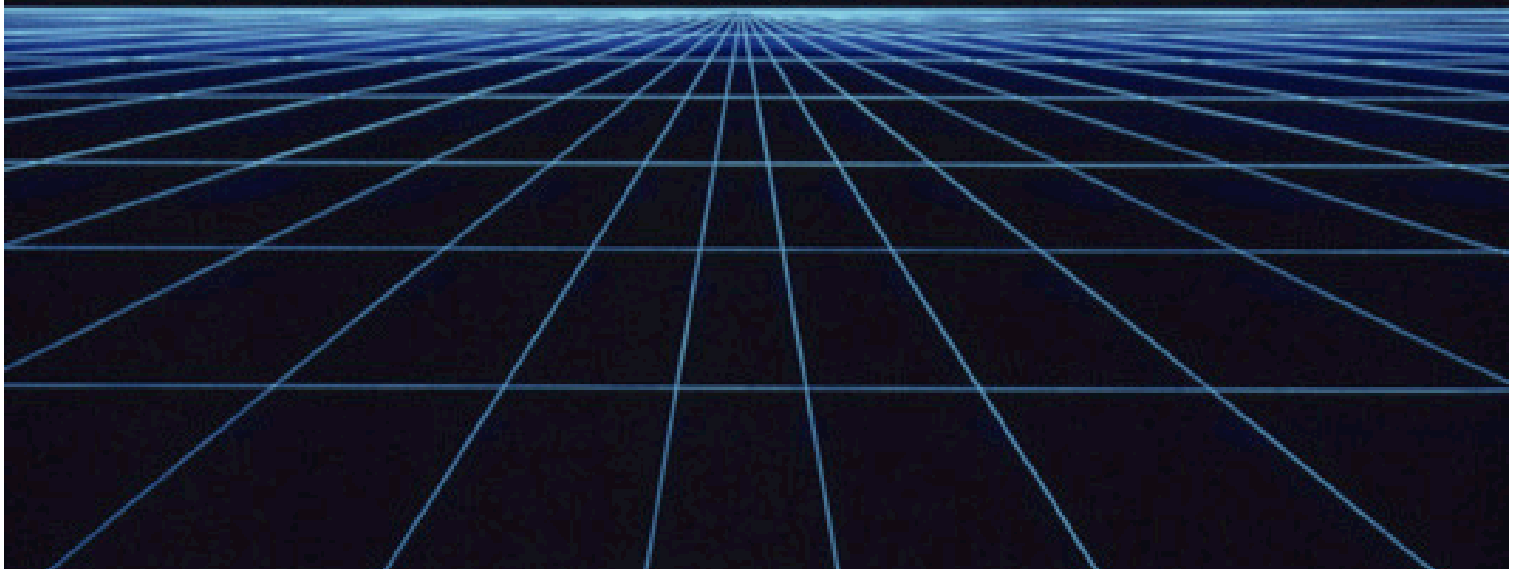


ACI COMMERCIAL ROOFERS



**We Were Green Before
Green Was Cool !**



A.C.I. has always taken a cutting-edge, proactive approach to energy conservation and the environment. A.C.I. has been well ahead of the curve concerning topics like energy conservation and reducing the urban heat island syndrome.

In 1979 it was estimated that 25 percent of all of the United States energy consumption was wasted through non-insulated roofs. Twenty-five percent! As a result of this information, A.C.I. founder Brian Brookheart began marketing insulated roofing systems. The energy savings of these roofing systems was immediate.

In 1985, A.C.I. Commercial Roofers began to install white, nylon reinforced, heat welded roofing systems. We found that a white roofing system would immediately reduce our clients' energy consumption. In 1985, while black EPDM cost 20 cents per square foot, white membranes cost

around 70 cents. These products were sold to an informed client who understood the environmental benefits. We were more teachers than salespersons. While most roofing contractors were still mopping hot asphalt over non-insulated roofs, we were installing white reflective roofs on millions of square feet.

The white roof systems reflect U.V. rays, reduce thermal build-up and reduce thermal migration into the building. Air conditioners are finally able to cycle on and off properly. The silence of idle HVAC units equals energy savings. The money that is NOT spent while the units are off will pay for the roof.



ACI installed this roof 15 years before the City of Chicago mandated reflective roofing systems and 13 years before the creation of the Cool Roof Rating Council.



What we promise during the sales process actually happens. Buildings remain cool while the HVAC units rest. Peak

Whiteroofing systems reduce thermal migration so well that some clients mistakenly thought that we had "broken" their HVAC units. The units begin to run each morning and they ran continually until well after dark. Building owners are not accustomed to the silence of idle HVAC units. When the units stop running, they assume they are broken.

electric demands are reduced. Coal powered power plant demands are reduced. Emissions are reduced. Acid rains are reduced. Wear and tear on air conditioners is reduced. The ambiance of the facility is improved. Win: Win: Win!

Mechanically Fastened Systems:

There are two basic ways to install a white roofing system: fully adhered or mechanically fastened. The adhesives used in fully adhered systems contain approximately 25% solids (the product that stays on the roof and glues the membrane in place) and about 75% solvents (the part of the adhesive that evaporates into the atmosphere during the process called "tacking out"). These solvents are high end hydrocarbons like toluene, xylene, heptane, acetone and others. So, why would we take 5 gallon buckets of adhesives and spread them around on the roof, knowing that 3.75 gallons of each bucket would evaporate into the atmosphere? Answer: we don't. We don't want to expose our craftsmen to it, and we don't want to expose our planet to it.

For that reason, A.C.I. was on the forefront of mechanically fastening roofing systems. When few roofers used fasteners, we were

one of the largest accounts for roofing distributors who sold fasteners. These fasteners would hold the roof in place as well as, if not better than, the volatile adhesives. And, our craftsmen and the Planet Earth could both breathe easier.



Sharing The Planet: A.C.I. once postponed a 250,000 square foot project for eight weeks so we would not disturb nesting migratory birds. After the eggs hatched, we mobilized again and performed the project. It was just A.C.I. doing the right thing. Just: **Being Green.**

On a million square feet of fully adhered roofing, approximately 15,000 gallons of solvents are released into the atmosphere. This simple Green decision that A.C.I. made over 20 years ago reduced our emissions by hundreds of thousands of gallons. To our credit, we made this decision over a decade before California enacted their tough stand against VOCs.

A.C.I. thoughtfully recognized the dangers of VOCs decades before our industry or governmental bodies. We were **Green** before **Being Green** was cool.

So, for 30 years, we have installed the most energy efficient, environmentally friendly roofs available. But there's more to **Being Green.**

Total Tear-Offs:

In the late 1980s roofing manufacturers mandated that all 15-year warranty projects would require a total tear-off of the existing roof, with no exceptions. Even if the old roof was 95% dry, it had to be torn off. The tear off materials ended up in our nation's landfills.

A.C.I. had a different approach. Instead of total tear-offs, we would perform infrared scans of the existing roof, remove the wet insulation, install new insulation and then install a temporary roof over the repaired area. Then we would install the new roof system.

Our approach did the following:

- ▶ It allowed the building owner to keep the investment that they already owned. The roof, with all of its waterproofing and insulation, remained in place and not in the local landfill.
- ▶ The old roof acted as an “air barrier” for the new roof and improved wind uplift capabilities.
- ▶ Our technique was cost effective since the owners did not have to pay A.C.I. to tear off and throw away their good roof.
- ▶ Since our roof systems are lightweight, many times by first removing loose gravel, our completed roof system weighed less than the original assembly. The building load was reduced.
- ▶ Roofs installed in this manner were cost effective, energy efficient and environmentally sound.
- ▶ And, we took this approach long before filling landfills, recycling roofing, or energy conservation became industry buzz words. Once again, we were well ahead of the curve.
- ▶ Roofs installed in this manner performed perfectly.

Summary:

Our clients didn't have to compromise roofing quality in order to be **Green**. The white roofs that we installed in the early 1980s performed like champions. Most exceeded the warranty period by 100%. They are great roofs.

Let's face it: Roofing isn't the most exciting topic on the planet. But it is a very important topic to the planet.

So, how do you select a roofer? Perhaps you find someone who has demonstrated the ability to be conscientious and forward-thinking.

The approach that we have taken concerning the environment (decades before it was popular to do so), is the same approach that we have taken with all aspects of our business.

We thoughtfully provide service to our customers. A.C.I. has always installed environmentally sound roofing systems. And, we always will.

Call A.C.I. today for a thoughtful solution to your roofing needs.



We Were Green Before Green Was Cool !

1.800.233.7663

website: www.acicr.com

1.407.572.4979

email: aci84@aol.com

Stay Tuned For: photo voltaic solar electric panels, recycling all roofing components, vegetated roofing systems, fully sustainable roofing systems and more.