



Overcoming Years of Neglect

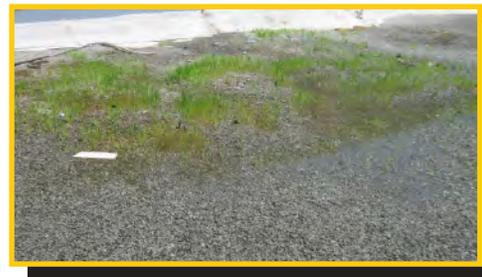
Atlanta, GA

History

The Atlanta Farmers Market has become one of the premier farmers markets in the South after many years of quality produce, good service, and friendly farmers. Covering 150 acres, it is one of the largest farmers markets in the world. It is more than a farmers market though; it also offers a garden center, wholesale and retail activities, and serves as a primary distribution and marketing center for fresh produce in the Southeast US.

Problem

The Market's 103,000 square foot roof consisted of spray foam covered in loose gravel and was installed in 1992. During the 22 year life of the roof, not one day's worth of maintenance work had ever been completed. The result of this neglect was a roof with many leaks that created an unsafe work environment and damaged goods. Although spray foam roofs can last more than 40 years, annual inspections and minor maintenance are required to maintain a leak-free roof. The Farmers Market desperately needed a new roof, but the installation was difficult to coordinate around its operating schedule: open 24 hours a day, 7 days a week. This meant that whatever roofing solution was chosen had to be non-invasive and installed quickly.



After being ignored for 22 years, this roof was in pretty bad shape when we arrived.

Before



After



Solution

IRC offered a spray foam rehabilitation plan that enticed the owners. Without disrupting the operations of the market, IRC could remove the old, neglected foam, and replace it with new foam. Motivations for choosing this roofing system included:

- The new system could be applied directly to the existing foam after scarification.

Scope of Work

- Removed the gravel with a wet vacuum.
- Scarified the entire roof surface to remove damaged foam.
- Applied new spray foam to the roof.
- Applied a protective layer of silicone coating to the foam.

Benefits

The new SPF roofing system provides a longer lasting roof system versus the older foam and gravel system. The new sustainable roof is leak free and completely renewable in 15 years by simply applying a new silicone coating. The new system also provided the following benefits:

- No downtime during construction.
- Substantial installation, maintenance, and energy savings.
- Decreased environmental impact of the facility.
- Received 15-year, full-system, leak-free warranty.

- Applying a silicone roof coating over top of the foam would provide superior protection from the elements as compared to the old layer of gravel.
- The combination of spray foam with a silicone coating meant the roof would be easier to maintain for many years to come - a major selling point to the owners.