

White High Solids Silicone over Metal

Over \$40,000 in energy savings... in just 4 months



SILICONE ROOFING SYSTEMS

Roof Size
125,000 square feet

Substrate
Metal

Location
Gainesville, GA



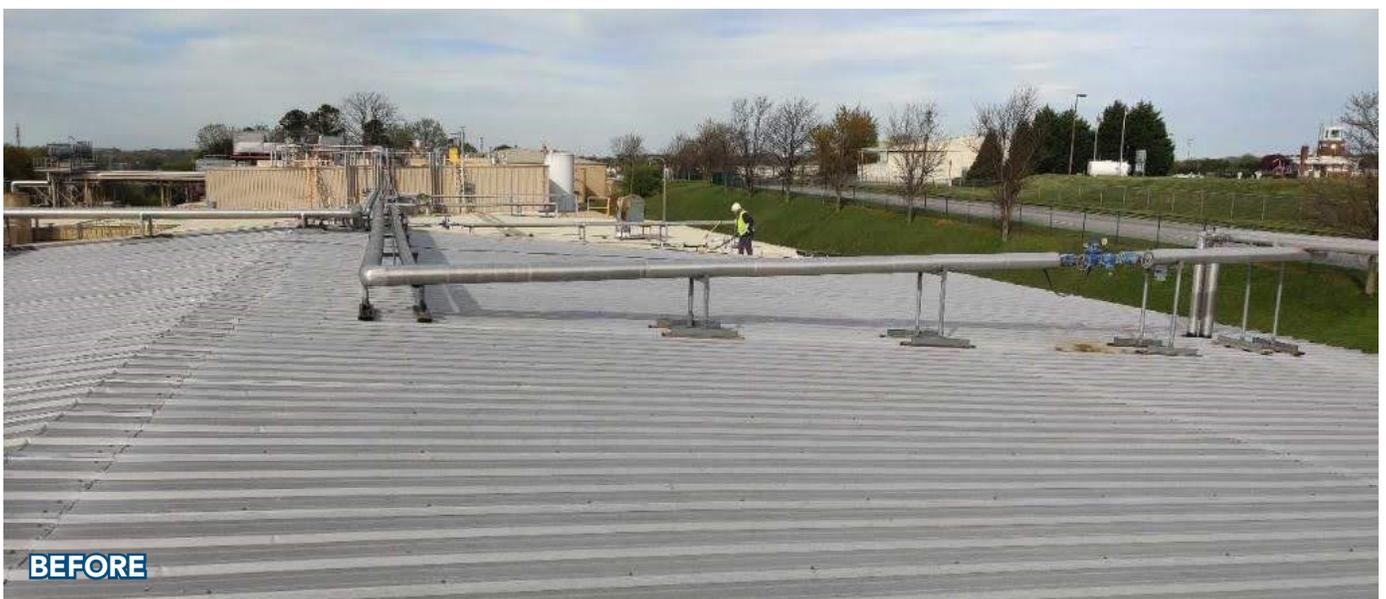
Project Overview

This large building is home to the largest fajita meat processing plant on the east coast. Responsible for processing over 250,000 pounds of chicken a day, this plant is imperative to the country's food supply chains. After noticing leaks in the roof and extreme temperatures that were hard to manage, the building owner decided it was time to give the roof a restoration.



The Problem

For over 7 years, the Georgia-based meat processing plant has been dealing with major roof issues including over 70 leaks! The roof was riddled with holes, worn areas, and flashing failures that allowed water into the building. As a food processing company, health and safety concerns are a top priority for the plant. If rain water or outside contaminants got inside the building and on the food, the whole batch could be considered contaminated. The plant needed a watertight solution to keep health and safety codes up to date.



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The Solution

The contractor was able to completely restore this roof in only 3 weeks. Using a slim, 10-man team, they gave the roof 20 years of new life in just a few easy steps:

1. First, the team repaired any damage to the roof and cleaned the roof, prepping it for primer and silicone.
2. After this, the team applied PM's P-130 rust inhibitive primer to any rusty areas. Although unnecessary on most metal roofs, P-130 is imperative to slow the rust erosion once it's started.
3. Next, the team used PM's FG 401 to help repair any flashing and patch any seams.
4. After this, they used HS 3201 silicone for the top coat to offer maximum UV reflection to the roof's surface.
5. Finally, they used PM's PG 700 and PG 750 to offer a slip resistant and easy to see walkway to the roof top. This walkway helped lead any facility maintenance personnel right to the mechanical units on the roofs, while greatly reducing the chance for slipping.

Final Analysis

After all was said and done, the building owner was beyond thrilled with the results of their new PM silicone roof. Not only were all the leaks fixed, but **they were able to save over \$10,000 a month on energy costs** in the first four months alone. This tremendous cost saving measure will end up putting hundreds of thousands of dollars back into the business over the life of the warranty. Couple these energy savings with the cost savings incurred by choosing a PM silicone roof (no roof tear off, no down time for the facility while the roof was off, smaller crew size, etc.) and you can see why the silicone restoration was chosen.

Another benefit to the building was the new walkway foot traffic lanes applied onto the roof. These silicone walkway paths will greatly reduce the chance someone falls while on the roof. Additionally, they will cut down on wear and tear on the roof. Consistent foot traffic can be hard on silicone over time, so having these walkways installed will increase the overall life of the roof.

