

Manufacturing Continues During Restoration

Don't Pause Revenue with a Roof Replacement!



SILICONE ROOFING SYSTEMS

Roof Size
70,000 square feet

Substrate
Metal

Location
Waco, TX



Project Overview

When this Texas-based glass manufacturer noticed multiple roof leaks, their first concern was whether or not they would have to shut down their plant while the new roof was removed and installed. A major concern for most manufacturing facilities is cleanliness and dryness. Production of high-quality glass depends on a clean facility, free of any unwanted particles from the fabrication process. If their roof would have been removed and replaced, production would have been halted for as long as the roof was missing. Thankfully, **a PM silicone roof restoration eliminates the need for a roof tear-off**, eliminating the need to halt any production!



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The Problem

Metal roofs are a great solution when starting construction on a new building. They last years and offer great weather protection... until they don't. **Once a metal roof starts to break down, it's just a matter of time before the whole structure becomes a hazard.**

Rust is one of the most common occurrences on a metal

roof. As seen on the before image below, rust had already started overtaking this facility's roof. Another issue with metal roofs are their seams and bolts. Fluctuating temperatures and ground shifts cause bolts to loosen over time. As the bolts loosen, seam gaps become larger and water begins to enter the faulty areas. This is exactly what happened on this roof causing multiple leaks within the facility.



The Solution

Using a Texas-based Certified Licensed Contractor, the PM team was able to fully restore the roof without disrupting the facility's day-to-day operations.

1. First, the team powerwashed the roof ensuring the existing substrate was free of grease or debris, preparing it for coating.
2. Next, the team applied PM's P-160 Rust Inhibitive Primer to any rusty areas on the roof. Primers are not typically needed with PM silicone roof restorations, but since rust can cause lasting damage to metal surfaces, it's best practice to use P-160. This almost completely halts rust growth on metal substrates.
3. Finally, the team applied HS 3201 to the entire roof.

Conclusion

After all was said and done, the team was able to completely restore the roof in only three weeks! Not only did the restoration eliminate 100% of the seams on the roof, but it also provided well-needed energy savings to the building. The hot, Texas sun can wreak havoc on AC units, but the roof's new white silicone coating is working to combat those costs. A white silicone roof reflects up to 88% of the sun's UV rays keeping the building much cooler. As advertised, the facility did not have to close down shop at all during the restoration. **The building now has a seamless, waterproof roof, reduced energy costs, and the owner can rest easy knowing their roof is under warranty for 20 years!**

