

Case History



Type of Project / Name:	Combination Metal & Built-Up Roof Restoration / Goodyear Airport
Location:	Goodyear, AZ
Specification:	RC-MR-GF20 (GacoFlex S20 Silicone)
Contractor:	Todd Conner, Progressive Roofing
Customer:	Sky Harbor Airport Facilities and Services
Problem to be Solved:	Existing roof was not able to bear any additional weight.

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Goodyear Airport chooses **GacoFlex S2000** *instead of a new roof.*

PROBLEM: Goodyear Airport, managed by Sky Harbor Airport Facilities and Services, was experiencing roof leaks caused by ponding water on their 75,000 square foot metal hangar. The building also has a 35,000 square foot built-up roof portion.

Structural engineers warned against applying any additional weight onto the metal roof which meant the airport was likely looking at a very expensive complete roof replacement.

SOLUTION: The GacoFlex Area Manager worked extensively with Sky Harbor Facilities to provide the proper specification to coat the metal roof as well as the built-up roof. GacoFlex S20 Series Solvent-Free 100% Silicone Coating was the best solution and additional roof weight wouldn't be a concern: GacoFlex S20 Series Coatings weight only 0.2 pounds per square foot which is less than the weight of rain.

Todd Conner of Progressive Roofing has restored many roofs using GacoFlex S20 Series Coatings. These coatings have FM approval, a highly reflective, glossy finish that can reduce cooling costs, and - most importantly - can endure permanent ponding water without softening.

The Goodyear Airport was able to re-coat their roof instead of replacing it and they can remain confident it will remain leak-free with a 10 year Labor and Materials Warranty.

INSTALLATION DETAILS: The roof surface was thoroughly cleaned with GacoFlex D09 and then primed with GacoFlex E5320 2-Part Epoxy Primer/Filler. GacoFlex SeamSeal was used to seal joints and then two coats of GacoFlex S2000 Solvent-Free 100% Silicone Coating was applied.

Goodyear Airport was able to save the roof without adding additional weight to the structure; their cost savings were significant compared to the cost of replacing the entire metal roof.



Before: built-up roof section.



After: metal roof section.

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