

# Case History



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<b>Type of Project / Name:</b>	<b>Metal Roof Restoration / Cherokee Building Materials</b>
<b>Location:</b>	<b>Oklahoma City, OK</b>
<b>Specification:</b>	<b>RC-30-GF20</b>
<b>Contractor:</b>	<b>Coontz Roofing, Inc.</b>
<b>Customer:</b>	<b>Cherokee Building Materials of OKC, Inc.</b>
<b>Problem to be Solved:</b>	<b>Metal roof had developed many leaks.</b>

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## Building material supplier solves leaking roof problems *with GacoFlex S20.*

**PROBLEM:** Cherokee Building Materials of Oklahoma City supplies drywall and metal studding to commercial builders. Their facility is a metal building that is approximately 30 years old. While the building has served them well, in recent years numerous leaks have developed in the metal roof.

**SOLUTION:** Coontz Roofing Inc., an Oklahoma roofing contractor since 1978, suggested using the GacoFlex S20 Silicone Roof Coating System over the entire 28,200 square foot roof area. Because the leaks seemed to originate from the screws and metal seams, repairs could easily be made to the existing metal roof deck before the coating was applied.

**UNIQUE CHARACTERISTICS:** Applying the GacoFlex S20 Silicone Roof Coating System presented several challenges. Due to limited parking area around the facility, both employee and customer vehicles were parked near the building. Customer pick-ups and deliveries of new materials created a constant stream of vehicles coming and going all day. Application was coordinated daily with the yard supervisor to lesson any disruption of business activity. On windy days, to avoid the possibility of overspray on vehicles, the application was done after 5pm closing time and on weekends.

### **INSTALLATION DETAILS:**

Once the roof area was cleaned with GacoWash Concentrated Cleaner and thoroughly power washed and allowed to dry completely, the entire roof received a coat of GacoFlex E5320 2-Part Epoxy Primer/Filler which was then allowed to dry. All fasteners, vertical and horizontal seams, skylight perimeters and other roof openings were sealed with GacoFlex SF2000 SeamSeal Solvent-Free Silicone Sealant to make these areas watertight. Much of the prep work to fasteners and seams had to be done by hand using brushes and rollers.

Once the entire roof was prepped, GacoFlex S20 Solvent-Free 100% Silicone Coating was applied over the entire roof area using a Gaco-modified Graco X70 Airless Sprayer with a 300 foot hose to reach across roof expanses.

The facility manager was pleased with how quickly the process was completed and how little disruption there was to their daily business. A few days after completion, the area experienced a heavy rain – the building's general manager commented that it was the first time in years that they did not experience a single leak in the entire facility.



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