

**Scope of Work
Roof Coating
Cherokee Nation Industries
1 Cherokee Circle
Stilwell Ok 74960**

**Roof Specifications for application of Gaco Western GacoFlex S-20/S2100
Silicone
Coating for restoring Modified Bitumen and Smooth Built-Up Roofing
Membrane Assemblies/ to include metal surfaces**

1. Applicator Qualifications: Submit current "Qualified Applicator" Certificate from the specified waterproofing manufacturer.
2. Substrate Conditions:
 - a. The manufacturer's representative is to present to the owner a completed inspection form verifying the substrate condition and any noted defects not specifically addressed in regard to this install.
 - b. The surface must be free from loose dirt, stones, debris, moisture, must be in stable condition. Any work on the area to receive this application shall be completed prior to the install.
 - c. The applicator shall complete a substrate inspection prior to the start of the roof restoration.
3. Qualifications
 - a. Primary waterproofing materials shall be the products of a single manufacturer. Secondary materials shall be recommended by the manufacturer.
 - b. Applicators shall have a minimum of 5 years' experience in the application of waterproofing type specified. The applicator shall possess a current "Qualified Applicator" Certificate from the specified waterproofing manufacturer.
 - c. All products considered an equal to the specified product or any changes in the scope of work, installation or specifications must be presented at the Pre-Bid
 - d. A letter of certification, signed by an officer of the manufacturer, stating the alternate material is equal to or better than the specified product.
4. Products
 - a. Manufacturers
 - i. Acceptable Manufacturers:
 1. Gaco Western, LLC
 - b. Materials
 - i. Cleaner: GacoFlex GacoWash Concentrated Cleaner
 - ii. Primer: GacoFlex E-5320 Epoxy Primer
 - iii. Flashing Tape: Gaco Western GacoFlex 66-S Polyester Flashing Tape, GacoFlex SF-2000 SeamSeal

iv. Coating: Gaco Western GacoFlex S-20 Series Silicone Coating having the following physical properties.

1. Tensile Strength = 550PSI
2. Elongation = 150%
3. Tear Resistance = 21 pli
4. Hardness = 55 Shore A
5. Water Vapor = 5.3 perms
6. Permeability = Procedure B at 0.5 mm (20mils) thickness $\pm 10\%$
Minimum permeance requirement is 2.5 U.S. perms
7. Volume Solids = 95% $\pm 1\%$
8. Reflectance = .88
9. Emittance = .87

5. Examination

- a. A mandatory nuclear or infrared scan has been performed and any wet insulation has been removed and replaced

6. Installation

- a. Technical Advice: The installation of the system will be accomplished in the presence of or with the advice of the manufacturer's technical representative.
- b. Primer: On granulated surfaces apply one coat of GacoFlex E-5320 Primer with the **"airless sprayer w/60-degree tip"** at the rate of 1 gallon per 250 square feet per pass. On smooth surface apply one coat of GacoFlex E-5320 Primer with the **"airless sprayer w/60-degree tip"** at the rate of 1 gallon per 300 square feet per pass.
 - i. Allow the Primer to dry a minimum of 2-3 hours before the GacoFlex S-20 series Silicone Coating is applied. The cure time will vary depending upon UV and humidity conditions. Stop the applications two hours before any rain or dew point is reached
- c. Seams: After the specified top coat has been applied the contractor must walk the roof and make sure all seams are encapsulated. If any seams are discovered, additional coating must be brushed on the seam until it is completely sealed using GacoFlex S2000 Seam Seal.
 - i. All termination points will be seam sealed and coated no less than 4 inches above termination points.
 - ii. Any stress cracks or flashings will be seam sealed
 - iii. Areas of we insulation and defective roof substrate: The existing membrane will have to be cut back on 3 sides and pulled back. The wet insulation and/or defective substrate will be removed and replaced, the old membrane put back into place and fastened to the deck 6" on center with screws and barbed plates. The centerline is to be caulked with a 100% silicone sealant and stripped in with 6" wide GacoFlex 66-S Polyester Flashing Tape and GacoFlex S-20 Series Silicone Coating.
- d. Coating:
 - i. On Smooth (including Metal), modified bitumen and smooth BUR: Apply one coat of GacoFlex S-20/2100 (self-cleaning), Series Silicone Coating at the average rate of 1.5 gallons per one hundred square feet with the, with the

“Graco GH933 airless sprayer w/60-degree tip” to obtain twenty-two dry mils. Coating all surfaces including expansion joint covers and flashings.

- ii. On granulated and other rough surfaces, apply one coat of GacoFlex S-20/2100 (self-cleaning), Series Silicone Coating at the average rate of two gallons per one hundred square feet with the, with the **“Graco GH933 airless sprayer w/60-degree tip”** to obtain twenty-two dry mils. Ensure that the coating has fully encapsulated all the granules or allegatoring.

7. Field Quality Control

- a. No traffic shall be permitted on the coated surface for a minimum of three days. Damage to the surface by other trades shall not be the responsibility of the roofing contractor

TO OBTAIN 10 YEAR RENEWABLE WARRANTY CONTRACTORS MUST MEET ALL QUALIFICATIONS LISTED ABOVE.