

# Case History



Installed 2005. In excellent condition nearly ten years later!

**Type of Project / Name:** Spray Foam Roof Restoration / Briarcliffe College  
**Location:** Bethpage, NY  
**Specification:** SI-22-GF  
**Contractor:** D'Onofrio General Contractors  
**Customer:** Briarcliffe College  
**Problem to be Solved:** Existing foam roof was cracked and leaking.

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## Thorny roof problems smoothed out with **GacoFlex Silicone.**

**PROBLEM:** Briarcliffe College in Bethpage, New York offers a variety of programs to interested applicants. From criminal justice to computer technology to graphic design, this Long Island college has established itself as a center of learning in New York.

In the summer of 2005, the college was looking for a way to extend the life of the building's 109,000 square foot roof. The 18-year-old foam roof was performing fairly well although leaks had developed around some air-handling units.

**SOLUTION:** A Gaco Western representative inspected the roof and designed a custom roof system to both solve the leaks and improve the appearance of the roof. Gaco Western Qualified Applicator D'Onofrio General Contractors Corporation began work in May of 2005.

**UNIQUE CHARACTERISTICS:** First, the roof was power washed to clean off dirt and grime and to give a better idea of the work needed. The power washing revealed cracks and missing chunks of foam in the existing roof system.

Before beginning application of the new roof system, the D'Onofrio crew filled all the cracks with sealant. Filling the cracks helped ensure the finished roof would be as uniform as possible, with no cracks to mirror through the applied GacoFlex coating.

**INSTALLATION DETAILS:**

The existing system was removed around the air-handling units, replaced with GacoRoofFoam, and carefully flashed to prevent future leaks. Holes in the foam were also patched with GacoRoofFoam and then the excess was shaved off to bring the new foam level with the existing roof.

With the detail work completed, coating application work could begin. First, a coat of gray GacoFlex Silicone was spray-applied and allowed to cure.

Next, a coat of custom-matched tan GacoFlex Silicone was spray-applied, and granules were broadcast into the wet coating. The tan color provided a perfect complement to the tan and brown mixture of granules which came from a Texas quarry and was the perfect finishing touch to the project.

The roof work was completed by the middle of June 2005. The result was a beautiful leak-free roof over the heads of Briarcliffe students and staff.

**UPDATE:** A Gaco Area Manager walked this roof the summer of 2013 and confirmed it remains in excellent condition.



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