

CASE STUDY

Jefferson Properties West Jefferson, NC

Conklin's spray foam roofing system minimized the messy tear off and high cost of material disposal at the local landfills.

With 50 years in construction and development, Tom Banks had a proven track record of taking on unique challenges and leaving behind success stories. So, when the real estate developer heard about an abandoned Thomasville Furniture plant in West Jefferson, North Carolina, he saw the building's potential. Banks believed that this abandoned "white elephant" could be transformed into a combination of upscale town homes, retail and dining establishments known as Jefferson Station that would breathe life back into the community.

Due to the complexity of the project, Banks selected Kohls Foam Systems of Norwood Young America, Minnesota. He would have the expertise of a company that has been providing roofing solutions for commercial and industrial buildings for over 20 years.

The polyurethane foam roofing system was chosen to meet the updated energy code and to provide a long lasting roofing system. "Polyurethane roof systems will be the last roof this building ever needs," said owner Jon Kohls. "It is a sustainable roofing system that can be cleaned and recoated 10-20 years from now. It will eliminate the need for costly tear-off expenses."

According to Kohls, the use of the polyurethane foam also had the aesthetic benefit of preserving the rustic loft appearance afforded by the exposed interior wood timber rafters. "Since foam does not require the use of fasteners through the deck and provides the best insulation value, it was the obvious choice," said Kohls. Finally, the use

of a foam and coating system allowed for direct application over the existing roofing systems, minimizing the need for messy tear off and high cost of material disposal. The plans called for installing the spray foam over properly prepared fully adhered EPDM, gravel-surfaced built up roofing as well as aluminum coating, ranging in age from 10 to 16 years old. Removal of the existing roof systems was limited to the loose gravel, and any wet or blistered areas.

Since the roof is located in a valley and would be visible from the surrounding high ground making up the rest of West Jefferson, an ENERGY STAR rated, white reflective and energy efficient roof was desired. Given the close proximity to the mountains, the roofing system had to offer excellent wind uplift resistance, withstand the extreme thermal cycling during the rapid seasonal changes and provide long-term energy efficiency for its occupants.

As the project progressed and much of the roof installation was being completed, Banks realized he had picked an outstanding contractor. "Kohls Foam worked and communicated with me in a very timely, professional and business-like manner that I really appreciate," said Banks. Because of the success of the roof installation, several more roof sections and interior wall foam applications were added to the project. Banks is happy with the successful roofing application and loves the idea that he has the best and brightest roof in town.

To read more about Kohls Foam Systems visit www.kohlsfoamsystems.com



CHALLENGE Old roof, desire for open rafter look from the inside, improved drainage from roof and excellent insulation

SOLUTION Conklin Sprayed Foam Roofing System with Rapid Roof III®

PROJECT 85,000 square foot retail shopping center and residential housing

CLIENT Thomas Banks, Developer

INSULATION Varied - minimum 2 inch foam (approximately R14)

REFLECTIVE VALUE 85 percent

