Restoration Coating Allows School to "Buy Time"

St. Johnsbury Academy | St. Johnsbury, Vermont

Dennis Smith, the longtime maintenance supervisor at St. Johnsbury Academy, an independent high school in St. Johnsbury, Vermont, managed to keep the hyperbolic parabloid EPDM roof over the school's field house intact for nearly a decade longer than single-ply rubber roofs typically last. Over the years, St. Johnsbury Academy has spent a significant amount of money to repair seams and keep water out of the building. But the roof, now 26 years old, was nearing the end of its life. "We weren't getting water in the building yet, but we were concerned that if we let it go much longer, it would get to that point," Smith explained. School administrators explored the possibility of replacing the roof and retained Black River Design Architects to bid out the work. As a result of the unique shape of the roof with its six large parabolic sections, the bids came back much higher than administrators had anticipated.

Robinson, a partner at Black River Design, began to look into restoration options. Somewhat familiar with The Garland lan Lanpher, a local representative of Garland, to take a look at the roof.

"On top of that, Ian was very committed to ensuring the project ran smoothly."

> **Dennis Smith** Maintenance Supervisor St. Johnsbury Academy

EDUCATION







Project: St. Johnsbury Academy Location: St. Johnsbury, Vermont

Garland Rep: Ian Lanpher Type of Project: Restoration Materials Used: White-Knight®/ White-Stallion® Plus

CHALLENGE

With replacement no longer an option, Keith Company's White-Knight®/White-Stallion® Plus urethane restoration coating, Robinson asked

SOLUTION

After inspecting the roof, Lanpher determined that it was a candidate for restoration and recommended it be coated with White-Knight/White-Stallion Plus. The single-component coating is designed to extend the life of roofing systems for at least 10 years while also providing a highly reflective surface to protect against the deteriorating effects of UV radiation.

AML Construction, who has experience applying White-Knight/White-Stallion Plus on non-traditional roofs, was selected as the contractor. To ensure proper adhesion, the existing roof was pressure washed to remove any dirt and debris. The coating was then sprayed onto the roof and back rolled to achieve the required coverage rate. Despite the difficult application conditions, AML completed the job within a month. "This was a great product for a very complicated roof. White-Knight/White-Stallion Plus gives the Academy a chance to buy a little time to budget the appropriate amount for a reroof down the road," Robinson reported.

Smith, who had not worked with Garland on any projects previously, was impressed with the success of the application and with lan's dedication throughout the project. "Given what the contractors had to work with in terms of difficult angles and steepness of the roof, I think the project went well. On top of that, lan was very committed to ensuring the project ran smoothly," Smith explained.

White-Knight is a registered trademark of The Garland Company, Inc., and The Garland Company UK, LTD, White-Stallion is a registered trademark of Garland Canada Inc.



Ian Lanpher

Phone: (802) 505-8373

Email: ilanpher@garlandind.com