

The stress load from the gravel and the constant leaking due to ponding water and poorly protected scuppers/terminations signified a complete tear-off which would be an enormous cost and inconvenience to a school with year-round operations.



47% cost savings over a re-roof application



18-25% rate reduction in cooling costs



\$0.00 over cost



Weatherskin came to the rescue, removing as much of the gravel as possible. The remaining embedded gravel would stay behind. First, all the terminations, scuppers and perimeters were properly sealed and protected with high tensile fabric interlaced into the first 2 coats of the Weatherskin membrane.



21+ work days saved vs. other applications



34+ tons of weight removed from the roof



15+ years added to the lifespan of roof

Strands of fibreglass and sand were mixed into the 2 base coats of Weatherskin on the roofs main body. This created a structural layer that tied the remaining gravel into the body of the coating to keep it from puncturing the top-coats.



250% tensile strength



84% reflectivity of UV light and heat



Any seams in the tar paper that have the potential to become trouble areas or deficiencies later were sprayed first to ensure they would be completely sealed by the basecoats. Even a single void in the coating can cause issues later, but they are easy to spot when you're applying light grey over a black substrate.



100% water-proof



100% fungi resistant

Even the fence posts and support blocks for the gas-lines and h-vac's get incorporated into the system, to ensure that even under 2 feet of snow the roof stays protected. Roof terminations are always treated with a special amount of care, as they are common culprits for leaking. The final coats are white, reflecting the UV and heat which will save on cooling costs over time.



146 freeze/thaw cycles annually



0 seams/voids



Even where the embedded gravel was still prominent, the end coating of Weatherskin has immersed it under a tough blanket that can be walked on and easily serviced without causing any problems. The Weatherskin team will re-visit this roof every year it is warranted to protect the client and their investment.



0 toxic emissions



0 landfill waste