

The revolution
in low-slope roofing



roof system

CASE STUDY

Brookfield Elementary

A Smart Solution for New School Roof

The 63,000+ square-foot roof of Brookfield Elementary School in Brookfield, Missouri had been leaking so badly that entire sections of the school had been closed for use. It had been 15 years since the previous roof had been installed - a Tectum deck with 3-ply built up with asphalt flood coat.



Insulation was 1½ inches of isocyanurate sprinkle mopped in place with an .045 EPDM membrane. A section of the south wall roof of the building had suffered delamination, and was currently mechanically attached. Clearly, an entire re-roof was in order to restore full usable function to the school.



Initially, the job was quoted as a Kelly 2001 installation, which came in over budget for the school system. Requoting with V2T not only reduced overall project costs, but also offered the building a state-of-the-art technology for with-standing the wide variance in weather common in Missouri.



Alternating low and high temperatures, frequent windy thunderstorms, and occasional stormy conditions often associated with tornados would all be addressed by V2T's innovative technology that uses the wind to lock down membranes and eliminate air gaps and moisture penetration.

In total, the project took only two days to install, and included 62 V2T vents, along with new roof materials - expanded polystyrene loose-laid with a ½ inch Securock cover board. Perimeter edges received new 2x10 wood nailers covered by 1 x 10 attached with NTB fasteners drilled and counter-sunk all the way through to the Tectum deck. The crew even reported finishing up Day 2 early because of V2T's ease of installation.



Completed in early June 2016, the new roof is expected to deliver at least 25 years of fully warranted and reliable use with proper maintenance - an improvement over the previous roofing solution that should save the school system money over time. As well, when students and teachers return to school, there will be additional classrooms and function spaces available for use - enhancing the overall experience for the entire community.



In general we believe that the V2T Vent Technology has a significant advantage in performance, installation, monitoring, environmental stewardship and cost than any other system on the market. To date, we have millions of square feet of roof in all climates that is providing these benefits to contractors, building owners, and manufacturers across the country.

To learn more about the V2T Roof System, visit us at www.V2TRoofSystem.com.

If you have a specific job in mind, you can complete the [Job Evaluation Request Form](#) and we'll get back to you within 48 business hours.



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