

DuPont™ Tyvek® Fluid Applied System

Helps Improve Energy Efficiency of New High School



Project Snapshot

Project: Auburn High School

Project Size: 234,000 ft²

Project Type: Education: Modernization and Reconstruction

Location: Auburn, Washington

Architect: NAC Architecture

General Contractor: Lydig Construction

DuPont™ Tyvek® Certified Installer:
Insulation Contractors

DuPont Products Used on this Project:

- DuPont™ Tyvek® Fluid Applied WB+™
- DuPont™ Tyvek® Fluid Applied Flashing & Joint Compound+
- DuPont Sealant for Tyvek® Fluid Applied System
- DuPont™ StraightFlash™

The Goal: The existing high school, built in 1950, was no longer cost-effective for the Auburn School District to operate and maintain. Upon completion, the new school would save the district an estimated \$300,000 annually in operating costs and energy bills—funds that it could use for educational programs.

The Challenge: Auburn, a suburb of Seattle that lies several miles inland from Puget Sound, shares the same oceanic climate and persistent precipitation—on average, well over 100 inches of rain annually. The project required a weather barrier that could withstand the extreme weather to help minimize delays during construction and protect the new school from the high precipitation while helping to make the finished school as energy-efficient as possible.

The Solution: By helping to effectively seal the building envelope, The DuPont™ Tyvek® Fluid Applied System was specified to seal the building envelope and help reduce the amount of energy required for heating and cooling. Applied in a one-coat application by spraying or power rolling, DuPont

Tyvek® Fluid Applied WB+™ provides two to three times the coverage of competitive fluid applied materials. Quick application is especially important in this case to keep the project on schedule so as not to disrupt the school year. In this challenging climate, the product's ability to be applied to damp walls and to resist rain wash-off after application helped limit the impact of weather-related delays.

"Specifying DuPont™ Tyvek® Fluid Applied System was absolutely the best choice we could have made for the Auburn High School project. The DuPont products are outstanding. Not only do they meet our requirements for construction, but they will provide value for years to come as they enhance the school's energy efficiency."

Brent S. Compton, AIA, LEED AP
Associate Principal
NAC Architecture



**For more information visit us at
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