



The Municipal Library roofing project in South Carolina utilized 41,000 sq. ft. of SlopeShield Plus Self-Adhered from VaproShield to offer an innovative drying solution for existing roof components. By applying SlopeShield Plus SA over parts of the existing roof assembly, the project team avoided a complete tear-off and replacement, saving public funds while addressing persistent roof leaks. Before adding SlopeShield Plus SA, an aeration tool was used to create small perforations in the roof assembly to facilitate drying. Thereafter, SlopeShield Plus SA – a multi-purpose air barrier and permeable vapor retarder membrane – was installed over the perforated silicone restoration coating to provide robust protection against moisture and air infiltration while allowing trapped moisture vapor to escape. This strategic application transformed the roof into a durable, leak-free assembly capable of withstanding challenging weather conditions.

Two-way breather vents were then installed and flashed with VaproShield's VaproLiquiFlash on the underside, and VaproTape was applied over the top to enhance further drying and ventilation. The roof demonstrated its resilience shortly after installation, with no leaks reported following a heavy rainstorm. This project highlights how SlopeShield Plus SA resolved the library's existing water intrusion issues while also delivering a long-lasting, high-performance solution tailored to meet the demands of modern building standards.





## The Specifications

|                      |                               |
|----------------------|-------------------------------|
| VaproShield Solution | SlopeShield Plus Self Adhered |
| Industry Type        | Municipal                     |
| Construction Type    | Re-cover                      |
| Architect            | REI (Roof Designer)           |
| Installer            | Canon Roofing                 |
| VaproShield Rep      | Carolina REP                  |

