PROJECT PROFILE

UNIVERSITY OF NORTH CAROLINA AT WILMINGTON

PROJECT DESCRIPTION

Clark Nexsen Architects, designed a Student Housing Complex for the University of North Carolina at Wilmington, it is scheduled to be completed in 2020. The design team incorporated a continuous insulation application to provide a seamless air barrier for the exterior of the building. Utilizing spray foam insulation for the building envelope, Live Green was able to save time and eliminate expensive energy draining thermal bridging.

Applying SWD Urethane's QUIK-SHIELD® 118 closed-cell foam, an air barrier material, as an exterior continuous insulation is the most cost-effective way to achieve superior energy performance and sustainability.

STRUCTURE FEATURES

- Exterior Continuous Insulation Wall Foam
- New Construction: Student Housing
- 435,000 sq.ft.
- QUIK-SHIELD® 118 Closed-Cell Spray Foam
- Wilmington, North Carolina

ARCHITECT	CONTRACTOR	DEVELOPER	INSTALLER
Clark Nexsen	Brodie Contractors, Inc	Balfour Beatty Campus Solutions	Live Green Raleigh NC

PRODUCT INSTALLED

Live Green, Inc. utilized SWD Urethane's closed-cell spray foam wall insulation for this project. The QUIK SHIELD® 118 product has an ultra-lift feature that allowed the foam to be installed in one pass providing a seamless insulation layer to the exterior of the buildings.

APPLICATION CHALLENGES

The installer had to meet tight project deadlines – QUIK SHIELD® 118 ultra-lift technology, provided greater yields and a consistent application allowing project schedules to be met.

SPRAY FOAM BENEFITS

The critical elements in energy-efficient buildings are air-sealing and eliminating thermal shorts across the exterior elements that separate ambient from conditioned space, aka The Building Envelope. This level of energy conservation and sustainability is significantly superior to interior cavity insulation where air permeable insulations are specified. Spray foam is specifically suited to achieve the energy efficiencies sought for modern day construction.