



PROJECT PROFILE

THE TREND AT 51 APARTMENT HOMES



PROJECT DESCRIPTION

The Trend at 51 Apartment Homes is a high-end apartment complex located in Phoenix, AZ. Maintaining the buildings high performance standards was critical for the building owner. Smithfield was very interested in a roofing system such as spray foam. Spray membrane roofing systems create a monolithic roof that is durable, waterproof, and cost effective.

Smithfield contracted Arizona Foam & Spray (AFS) to provide a lasting solution. Their extensive experience aligned well with Smithfield's high standards for a highly efficient performance approach to their roofs.

STRUCTURE FEATURES



Multiple Substrate Spray Foam Roof System



New Construction: Apartment Complex



78,500 sq.ft.



QUIK-SHIELD 1000 Roof Primer, QUIK-SHIELD 125 Roof Spray Foam, and QUIK-SHIELD 1929F Acrylic Coating



Phoenix, AZ



BUILDING OWNER

Smithfield Properties, LLC

INSTALLER

Arizona Foam & Spray



PRODUCT INSTALLED

3.6 inch thick polyisocyanurate boards, followed by QUIK-SHIELD (QS) 1000, a neoprene based primer, followed by 1.5 inches of QS125 roofing spray foam and completed with an acrylic coating of QS1929F. The system has high solar reflectivity and excellent durability from weathering and UV exposure.

APPLICATION CHALLENGES

The roofs of Trend at 51 consisted of three different types of substrates: plywood, metal, and concrete. AFS was able to value engineer a solution using a hybrid system of spray foam over poly-iso boards. This solution would work with all three substrates, maximize energy performance and keep costs at an efficient level.

SPRAY FOAM BENEFITS

Quality roofing systems are important in any building. A QUIK-SHIELD spray foam roofing system is durable, energy efficient, and requires minimal low-cost repairs in its 40-year service life. It is the only roofing system that pays for itself in energy and maintenance costs.