



PROJECT PROFILE

AZALEA REGIONAL SHOPPING CENTER



PROJECT DESCRIPTION

Nadel Studio designed the new Los Angeles area shopping center consisting of seven buildings with approximately 100,000 square feet of roof space. All seven buildings have 10-foot parapet walls. Pursuing LEED Silver certification, the design team placed energy-efficiency and sustainability as top priorities for the project.

Spray foam was the optimum insulation choice to economically attain the required and valued LEED Silver Certificate rating.

STRUCTURE FEATURES



Spray Foam Roofing System



New Construction: Commercial Retail Building



100,000 sq.ft.



QUIK-SHIELD® 2000 Roof Primer, QUIK-SHIELD® 125 Roof Spray Foam, and QUIK-SHIELD® 1929F Acrylic Coating



Los Angeles, CA



INSTALLER

Arithane Foam Products, Inc.



PRODUCT INSTALLED

Ari-thane used QUIK-SHIELD® (QS) 2000, a low VOC primer, on the plywood roof decks and QS125 roofing spray foam. To protect foam from UV exposure, a gray base coat of QS1929F acrylic coating was applied. Finally, a white top coat of QS1929F acrylic coating and limestone granules were installed to maximize reflectivity and additionally lower energy costs.

APPLICATION CHALLENGES

The 10-foot-tall parapet walls created challenges for the applicators. The sections rose at a 45-degree angle from the roof deck for five feet before becoming vertical for the remaining height. The upper section of a 10 foot parapet wall posed significant installation problems for other roofing systems. The versatility of spray foam being able to be applied on the vertical surfaces readily addressed that issue and completely sealed the transition area from the walls to roof seamlessly. The ease of application was another reason to specify spray foam roofing.

SPRAY FOAM BENEFITS

Spray foam eliminated massive amounts of flashing and other metal work. The counter flashing, base flashing, and pitch pockets that were eliminated removed the need for nearly a mile's worth of metal work. Tenants made their own changes to the building, including adding rooftop equipment and penetrations. The spray foam roofing system allowed for easy and relatively inexpensive repairs to the areas where modifications by the tenant were made.