



PROJECT PROFILE

IBM



PROJECT DESCRIPTION

IBM sold off the complex, which is now called the University of Arizona Science and Technology Park (UASTP), and it is owned by the Arizona Board of Regents on behalf of the University of Arizona. However, IBM still maintains a presence there with around 1,600 employees.

The coated spray foam roofs were still in great shape—and leak free—after 20 years, but they were due for a recoat. Building 9052, a 60,156 sq. ft. building that was formerly a cafeteria, was selected as one of the first buildings to get a recoat. It was selected because its new tenant, Uber, would be moving in soon, and the UASTP management wanted to get everything ready. UASTP brought back the same roofing contractor that did the original spray foam roof in 1995 to do the recoat on Building 9052.

STRUCTURE FEATURES



Spray Foam Roofing System



Existing Construction: Reroof



60,156 sq. ft.



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



Tucson, AZ



INSTALLER

Arizona Foam & Spray



PRODUCT INSTALLED

The recoat of the 60,156 sq. ft. Building 9052 took 14 days, including travel, and it required 1,204 gallons of coating and 20,543 lbs. of white limestone granules. The job was completed to the satisfaction of UASTP, well within the time frame required to keep Uber's move-in on schedule. Within the next 2 years, many of the buildings at UASTP will be recoated by the contractor, using approximately 24,000 gallons of coating and 400,000 lbs. of granules.

APPLICATION CHALLENGES

Originally, Building 9052 had a coal tar pitch and gravel roofing system installed back in the early 80s. The contractor used a vacuum truck to remove most of the gravel, but some of it wouldn't come off due to the gravel being embedded in the pitch. These rough areas were left as they were and simply foamed over. On the present recoating project, these rough areas were simply recoated with a little extra coating, since the surface area was a little bit greater on a rough area than a smooth area.

SPRAY FOAM BENEFITS

The coated spray foam roofing system lasted for over 20 years without maintenance or replacement. If the 1.5 million sq. ft. of roofing space had built-up roof (BUR) systems in place, their repair and replacement over 20 years would have generated around 12 million pounds of construction waste. This material would have ultimately ended up in a landfill. However, with a coated spray foam roofing system, only about 3,000 lbs. of waste was generated, thus saving a lot of landfill space.