

STRATASEAL® HR PROTECTS OCCUPIED MEDICAL LABORATORIES

When it was decided that a courtyard would be implemented into the WUSM/BJC Medical complex it didn't take long for the design team to realize that "waterproofing" was going to be a major consideration.



PROJECT

Washington University School of Medicine, Bio-Med Building

LOCATION

St. Louis, Missouri, USA

PRODUCTS

STRATASEAL® HR

CHALLENGE:

Waterproofing and protecting the occupied space below while still allowing construction to continue.

Jim Taylor with ABS Consulting was assigned the task of finding a waterproofing system for the plaza deck that would protect the occupied space below housing medical school laboratories.

The construction schedule of the bio-med building also impacted the finish landscape project. The horizontal structural slab, designed as the plaza footprint, first needed to serve as a staging area for the building components of the multi-story building. At the same time, interior finish work was underway below the plaza and therefore immediate waterproofing was a mandate.

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SOLUTION:

The solution was to apply a 90 mil application of CETCO's STRATASEAL® HR hot rubberized asphalt with protection course and pour a temporary topping slab. Upon completion of construction the topping was removed and the STRATASEAL® HR "215 mil" system was installed. The main benefit to the HR system is the total adhesion to the substrate and thus the elimination for moisture migration under the membrane, common with sheet applied systems. To add to the water management of the plaza deck the CETCO AQUADRAIN™ product was installed and incorporated into the deck drains.

RESULT:

The result yielded a monolithic water tight membrane system ready to receive the overburden of the plaza fountain, walkways and greenscape areas.