



HVAC/Air Handler Buildings

Featuring Polyshield SS-100®

Project:
Cobo Hall Convention Center

Location:
Detroit, MI

Owner:
City of Detroit

System:
64 mils POLYSHIELD SS-100®

Total Area:
25,000 square feet

Completion Date:
December 1998

PROBLEM:

The City of Detroit is home to the expansive and impressive Cobo Center (formally Cobo Hall). On top of this giant 2,400,000 square foot facility are 22 air handling buildings that contain the HVAC units required to keep the thousands of annual patrons cool and comfortable. This world class facility had serious problems when the air handling buildings started to leak water. The water was dripping down onto the venue floor and event attendees. Cobo Center management made several unsuccessful attempts to seal off the air handling buildings.

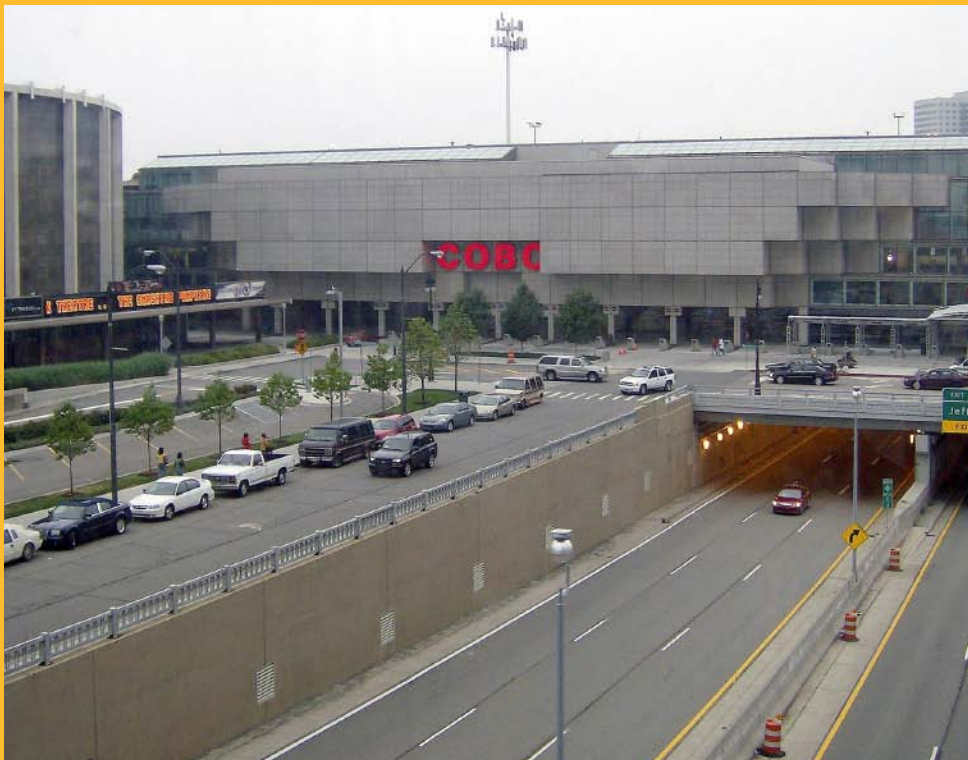
SOLUTION:

The city chose Polyshield SS-100® polyurea to coat the air handling building floors and walls. Polyshield SS-100® was the best solution because of its durable, seamless, and water-resistant properties.

After proper surface preparation, the floors and walls of the air handling buildings were coated with 64 mils of Polyshield SS-100®. The floors were then flooded for leak testing with 1” of water and left alone for 6 hours. There were no leaks in any of the 22 air handlers.

RESULTS:

The site was inspected one year later by a city official and an SPI representative. The results of the in-depth inspection found no leaks, cracks or deficiencies. City officials were pleased with the job and awarded additional projects to the contractor using SPI’s Polyshield SS-100® (elevator entrance, floors, walkways, steps, dish washing room floor, standing seam air handler roofs and exterior duct work, etc.)



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