

CETCO vapor barrier chosen by risk assessors for mixed-use redevelopment

The site for the Pan Am Athletes Village, a mixed-use redevelopment, is situated on an abandoned piece of property known as West Don Lands. Most of the land was industrial or owned by the railways, and it became the site of an array of factories and warehouses, including one of the largest pork processing facilities in the world.



PROJECT DETAILS

Pan Am Games Athletes Village
Design Engineer: Terraprobe
Certified Installer: Aquanorth
Contractors: EllisDon and Ledcor

LOCATION

Toronto, Ontario, Canada

PRODUCTS USED

LIQUID BOOT® 500 Spray-Applied
Vapor Barrier

Approved LIQUID BOOT® vapor barrier installer, Aquanorth, ensured a proper installation and a vapor-tight seal around all penetration and footings, critical vapor intrusion pathway areas that present the most potential risk for compromised indoor air quality within the structure. LIQUID BOOT® vapor barrier can only be installed by those trained and approved by CETCO, helping to ensure a quality and reliable gas vapor membrane system for your project.

CHALLENGE:

To install a seamless and gas-tight vapor barrier system for a project with a tight construction time line. Scheduling and coordination of material and labor to the jobsite was critical to the success of the project and a system that could be installed rapidly was critical for meeting the strict time constraints of the project.

SOLUTION:

Risk assessors for the project initially decided on a 15-mil polyethylene vapor barrier to protect the structures from residual methane and other various chemical contaminants found in the soil. It was later decided that 15-mil HDPE was not sufficient and that a more robust system was needed.

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LIQUID BOOT® 500 vapor barrier was chosen due to its long history of successful installations and its ability to provide a seamless, impermeable membrane that would effectively seal critical vapor intrusion pathways and protect overall indoor air quality within the structures.

RESULT:

LIQUID BOOT® vapor barrier was applied by approved installer, Aquanorth, in 6,000 square foot sections concurrently on multiple buildings to maintain the project schedule. Installation of the LIQUID BOOT® 500 vapor barrier was extremely successful and was able to detail the numerous penetrations and footings much faster than HDPE due to its spray-application and rapid curing time.