

Vapor mitigation system maintains construction schedule in cold weather

The site of the Springhill Suites Hotel and Restaurant posed potential vapor intrusion concerns due to low-level VOC contaminants found in the soil.



Images left to right: GEOVENT™ trenchless gas venting system being installed directly on the subgrade; LIQUID BOOT® vapor barrier conforms to irregular surfaces and can be applied in the most challenging conditions; LIQUID BOOT® spray-application effectively and effortlessly seals around crucial areas, such as pipe penetrations.

PROJECT DETAILS

Springhill Suites

Design Engineer: Earth Engineering

General Contractor: Harchuck Construction

Certified Installer: Advanced Construction Technologies

LOCATION

Ridley, Pennsylvania, USA

PRODUCTS USED

LIQUID BOOT® Spray-Applied Vapor Barrier

GEOVENT™ Gas Venting System

CHALLENGE:

The challenge was to keep with the construction schedule and perform the 17,500 square foot gas vapor barrier installation during adverse weather conditions. Arrangements were made to ensure installation temperature was at the optimum level.

SOLUTION:

The engineer was able to utilize CETCO's standard specifications and details to work up customized plans and specifications for the hotel. CETCO reviewed the information and coordinated bidding to the general contractor as well as with the certified installer, Advanced Construction Technologies (ACT), regarding the adverse weather conditions to minimize scheduling delays and to make sure the project was completed efficiently.

Gas vapor mitigation system maintains construction schedule in cold weather

Due to the building's intended use as a hotel and restaurant, there were quite a few penetrations on the site. As a spray-applied membrane, LIQUID BOOT® vapor barrier made for the ideal solution to seal to penetrations and the perimeter footings. In addition, elevation changes and vertical walls throughout the area (as seen in the photos) made it imperative that a versatile membrane be used throughout the site. LIQUID BOOT® vapor barrier has the ability to conform to irregular surface while also providing a monolithic membrane, which made it the perfect choice. The application was very successful throughout the entire project and ACT worked to keep with the general contractors schedule in order to complete the job quickly and efficiently.

RESULT:

CETCO products installed by trained and certified installers provided the building with proven protection against vapor intrusion while also saving the customer time and money.

cetco@mineralstech.com | cetco.com | 800.527.9948

UPDATED: SEPTEMBER 2017

© 2017 CETCO. IMPORTANT: The information contained herein supersedes all previous printed versions, and is believed to be accurate and reliable. For the most up-to-date information, please visit www.cetco.com. CETCO accepts no responsibility for the results obtained through application of this product. CETCO reserves the right to update information without notice.

