High-performance geomembrane with EVOH technology part of gas vapor mitigation solution

The owner of the former manufacturing site and the engineer understood the value of having a barrier with superior vapor resistance and a long standing track record to protect the indoor air quality of the restaurant.

Images (left to right): Installation of the VI-20™ geomembrane with EVOH technology over the low-profile GEOVENT™ gas venting system (left), finished installation of the LIQUID BOOT® gas vapor mitigation system over the VI-20™ geomembrane (middle). In-progress view of the spray-applied barrier being installed over the geomembrane (right).

**CHALLENGE:**
Residual VOCs in the soil generated from former manufacturing facilities previously located on the site created a potential air quality issue due the possibility of sub-slab vapor intrusion.

**SOLUTION:**
The LIQUID BOOT® PLUS System was installed with a low profile venting system. With the understanding that the client is extremely conscientious when creating a quality work environment and visiting space for customers, it was decided that the LIQUID BOOT® PLUS system, with its superior resistance to VOC vapors, would be the best product for this location. LIQUID BOOT® PLUS system incorporates CETCO’s GEOVENT™ low-profile venting system, VI-20™ composite geomembrane (green material in images), CETCO’s LIQUID BOOT® spray-applied membrane and UltraShield™ G-1000 protection course.

**PROJECT DETAILS**
Chick-Fil-A  
Engineer: Giles Engineering  
Installer: Advanced Construction Technologies  
Contractor: Landmark General Contractors

**LOCATION**
Fort Worth, Texas

**PRODUCTS USED**
LIQUID BOOT® PLUS  
Gas Vapor Mitigation System with VI-20™ Geomembrane  
GEOVENT™ Gas Venting System
High-performance geomembrane with EVOH technology part of gas vapor mitigation solution

RESULT:
With a successful installation of the LIQUID BOOT® PLUS system, accompanied with CETCO’s QA/QC procedures, including a non-destructive smoke test, this structure has the most advanced vapor mitigation barrier on the market to protect the indoor air quality from vapor intrusion.