

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; finished installation of the LIQUID BOOT® spray-applied vapor barrier over the VI-20™ geomembrane; in-progress view of the spray-applied barrier being installed over the geomembrane.

PROJECT DETAILS

Chick-Fil-A

Engineer: Giles Engineering

Installer: Advanced Construction Technologies

Contractor: Landmark General Contractors

LOCATION

Fort Worth, Texas, USA

PRODUCTS USED

LIQUID BOOT® PLUS spray-applied vapor barrier

VI-20™ geomembrane

GEOVENT™ venting system

CHALLENGE:

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

SOLUTION:

The LIQUID BOOT® PLUS spray-applied vapor barrier 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 vapor barrier with its superior resistance to VOC vapors, would be the best product for this location. LIQUID BOOT® PLUS vapor barrier 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.

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.

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