EverShield Project Snapshot

EverShield Installed at Large Residential Development

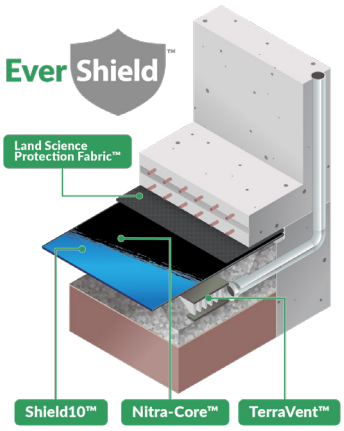
Multi-Layer Vapor Barrier Protects New Housing Development from Potential Vapor Intrusion

Highlights

- Large residential redevelopment on a former industrial property
- Historical chlorinated solvent and VOC impacts
- Approximately 180,000 square feet of EverShield installed

Site Details

- Site type: Multi-family residential
- Contaminants: Chlorinated solvents and other VOCs



Project Summary

A large multi-family residential development was constructed on a former industrial property in the southeast U.S. with a long history of manufacturing and commercial operations. Historical site activities resulted in potential vapor intrusion concerns associated with chlorinated solvents and other volatile organic compounds (VOCs), requiring incorporation of a comprehensive mitigation strategy to protect future occupants.

Application

The project required a durable vapor barrier that could support a large building footprint and an aggressive construction schedule. Because site conditions were well understood early in planning, the vapor intrusion mitigation system was incorporated into the design from the outset, streamlining coordination among the owner, design team, and contractors.

EverShield®, a multi-layer composite vapor barrier featuring an EVOH liner and a spray-applied nitrile core, was installed beneath approximately 180,000 square feet of building foundations. The system provides continuous protection against potential vapor intrusion while accommodating the demands of large-scale residential construction.

Installed by a certified Land Science contractor, the system met all manufacturer QA/QC requirements, including smoke testing to verify membrane integrity prior to slab placement. The installation also satisfied environmental consultant design criteria.

Results

The completed EverShield system provides long-term protection against vapor intrusion while supporting redevelopment of a historically impacted industrial property into productive residential use. By integrating the vapor barrier into the project from the earliest design stages, they now have a solution that supports long-term occupant protection and regulatory compliance.

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