Retro-Coat®
Vapor Intrusion Coating

Retro-Coat Project Snapshot



Retro-Coat Allows for Reuse of Former Dry-Cleaning Facility

Potential Chlorinated Solvent Vapor Intrusion Mitigated at New Automotive Service Facility

Highlights

- Former dry-cleaning facility repurposed for automotive accessories installation
- Chlorinated solvent contamination presented ongoing vapor intrusion concerns
- Approximately 5,100 square feet of Retro-Coat applied to an existing concrete slab

Project Summary

A former dry-cleaning facility in the southeastern U.S. was being repurposed for an automotive accessories business. Historical operations left chlorinated solvent contamination and vapor intrusion concerns, requiring a mitigation solution that could be applied to the existing concrete slab without extensive building modifications.

Application

Approximately 5,100 square feet of Retro-Coat® was applied to the existing concrete slab to mitigate chlorinated solvent vapor intrusion. Installed by a Land Science Certified Applicator following manufacturer specifications and QA/QC procedures, the system provided a protective vapor barrier supporting the building's commercial reuse.

Results

According to the project team, the Retro-Coat application successfully mitigated the site's ongoing vapor intrusion concerns, supporting the property's transition from a former dry-cleaning facility to an automotive accessories installation business.

By applying the vapor barrier directly to the existing concrete slab, the project team addressed potential exposure risks while preserving the building for continued commercial use. The project demonstrates how vapor intrusion mitigation can support the productive reuse of historically impacted properties without requiring new construction.

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