

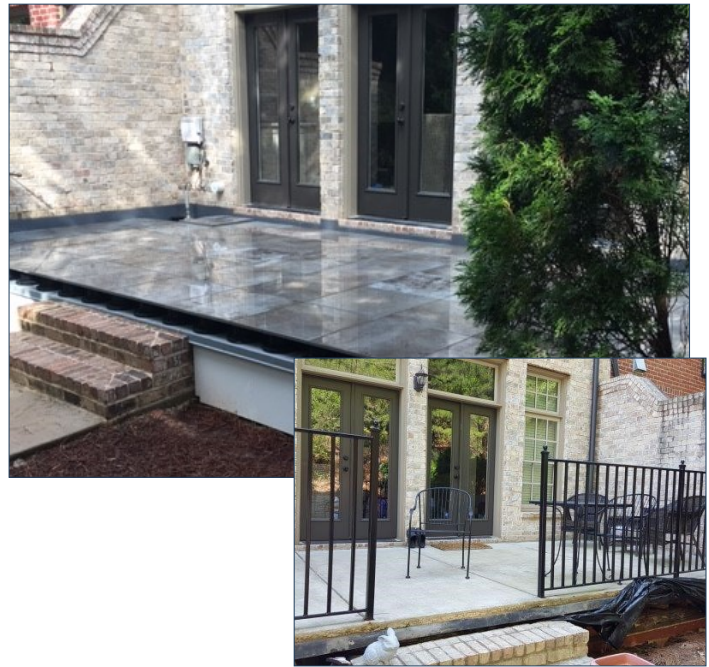
# Case History #183

Project: Plazadek System VS Adhered Tiles, Atlanta, GA

Date: October 2016



NORTH AMERICA'S PREMIER WATERPROOF VINYL FLOORING SYSTEM SINCE 1974.



## The Problem

A high-end four-story/six-unit condo building had water leaking into a master bedroom below the upper tile deck. The tile installer contacted **Duradek of Georgia** for help.

The initial inspection did not show any areas of damage so there was not a clear path to the leakage. An investigative estimate was offered to the homeowner, but was declined.

A year later, a desperate homeowner now had continuing leaks from the upper deck and the lower deck was also failing and becoming soft due to rotting wood. This time an investigative inspection was completed. After a complete removal of the surface tiles on both the upper and lower decks, it was determined that the upper deck had failed due to poor details around the railing posts and fireplace. The lower deck was a tile assembly failure with substandard subfloor.

## The Duradek Solution

The plywood substrate was replaced on the upper deck. The lower deck was rotted and also needed to be completely rebuilt to new building codes. After the structural repairs, the Duradek membrane was installed.

Due to the previous expensive problems with the tile surfaces on both decks, the owner chose a floating tile system that would allow for easier repair or replacement if needed. This is where **Duradek's Plazadek System** comes in.

The waterproofing membrane was professionally installed with drains and water routing details. The tile installer used pedestals to support the tiles. This allowed water to pass through the tiles and drain off the membrane without any moisture reaching the deck structure.

## JOB CONTACT

**Duradek of Georgia**

Norm Shafer

770-842-8218

norm@duradekga.com

## JOB NOTES

With a Duradek membrane under a floating system, even if surface damage occurs to tiles or pavers above, the structure is protected from moisture.

