

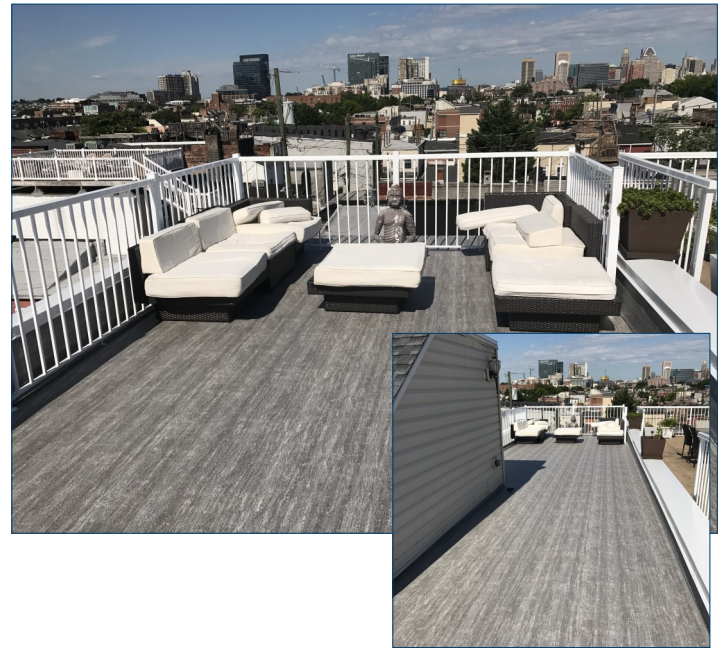
Case History #178

Project: Transform Flat Roof; Baltimore, MD

Date: June 2017



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



The Problem

This urban homeowner's flat roof could barely be considered a useable outdoor living area. It had the potential to be a luxurious and desirable residential feature adding value to the property but instead was unattractive and a source of leaks.

The original roofing membrane was a TPO which is a roofing product only and not intended as a deck surface. Inadequate slope and ponding water led to leaks.

Attempts at rubber patching and layering with an additional membrane were a temporary solution for leaks and the roof was unsafe.

They needed to deal with the roof leaks for safety and to avoid more costly damage to their home. They also wanted to take advantage of the space as a roof deck.

The homeowners turned to the waterproofing experts at Duradek MidAtlantic who introduced them to their professional Duradek installers.

JOB CONTACT

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APPLICATING CONTRACTOR

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The Duradek Solution

OnTarget Remodeling removed layers of failed roofing products, moisture-damaged wood, damaged portions of CDX, and OSB board from the curb walls.

Then they installed new tapered sleepers with adequate slope to provide water routing that would eliminate ponding water. New, untreated exterior grade T&G plywood was applied and prepared for the waterproof membrane.

Duradek Legacy Driftwood vinyl was applied with adhesives and by heat-welding the 6 ft wide material with $\frac{3}{4}$ inch seams. The vinyl extended to the top of the curb walls which were then capped. To complete the project, *Durarail* white picket aluminum railings were added.

Previously wasted space became useable outdoor living space. Reliable waterproofing for the building and quality of life for the homeowners made the project a worthwhile, value-added investment.



JOB NOTES

Duradek meets building code as both a roofing membrane and walking surface. It is a single product, cost-effective solution to transform an flat roof into a rooftop deck.