

Case History #195

Project: Boathouse Roof Deck, Coboconk, ON
Date: June 2021



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



The Problem

This lakeshore boathouse had a coveted 1600 sq. ft. roof deck, but it was in dismal shape. A failing membrane and an artificial turf surface made it unattractive and unpleasant to use.

The turf deck surface was saturated with moisture and had become moldy. Even worse, the waterproofing below the turf was failing. Water accumulated on the turf and eventually leaked through the failed membrane. Below the deck, the boathouse ceiling had visible mold and other signs of water leaks. The longer the leaks were left unaddressed, the more expensive the repairs from water damage would be.

When the artificial turf was removed from the deck surface, the leak issues became more evident. The moisture damage was obvious with the seams lifting and rot setting in. In the areas adjacent to full length windows and door openings (areas most vulnerable to water leaks), previous patch jobs on the membrane did not solve the leak issues and were also failing. They needed a permanent solution.

The Duradek Solution

First, new 3/4" T&G untreated plywood was installed at a 2% slope to allow water run off. Seams were filled and sanded to provide a smooth surface for the membrane.

Duradek™ Ultra Legacy Driftwood was installed using contact adhesive. The Duradek membrane was run up and over into the door and window sills to ensure complete waterproof protection at these critical areas with specific installation details unique to roof deck waterproofing.

Heat welding was completed along each length of vinyl with a 3/4" overlap. At the outside perimeters of the deck, the vinyl membrane was heat-welded to PVC coated drip flashing to ensure water run off would be directed away from the boathouse below.

The boathouse was now completely waterproof with a roofing membrane that also provided an attractive deck surface. No waterproofing maintenance is required for its lifespan so the easy to clean surface will remain accessible to enjoy without the need for closures.

INSTALLATION COMPANY

One Stop H2O Solutions

JOB CONTACT

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JOB NOTES

This project featured celebrity builder, Scott McGillivray's own investment property on *HGTV's Vacation House Rules*. Scott had worked with Duradek before and knew it was the perfect solution. See the recap on our blog, or the full episode on Stack TV.