



CASE HISTORY # 113

PROJECT:
MENEHUNE SHORES
KIHEI, MAUI, HI

North America's premier waterproof vinyl flooring systems. Since 1974

DATE:
MAY 2006



PROBLEM:

[Duradek](#) solved a tricky waterproofing problem on this large roof terrace deck of a six storey concrete condominium in Kihei, Maui. The deck is just under 16,000 sq/ft and is used daily by the patrons to BBQ their dinners and enjoy the beautiful Hawaiian sunset.

Due to the high temperature roof environment, movement in the topping slab had resulted in frequent leaks into the 6th floor units and trapped moisture between the coatings, topping slab and structural planks. Previous coatings had failed and would be cumbersome to replace. Complete removal of the existing roof membrane would be too risky if it were to rain, not to mention the additional cost that it would incur.

DURADEK SOLUTION:

To rectify the problem, large areas of failed coatings were scraped up and the deck was sanded with deck sanders and primed.

After these repairs were made, [Duradek](#) (a single-ply, waterproof, walkable vinyl membrane) was chosen to be applied right over top, making it watertight and attractive at the same time. When the material was to be ordered, the colors [Duradek Ultra Heritage Sienna](#) and [Duradek Ultra Surcoseal Suede](#) were chosen. These products were installed in a "window-pane" pattern, using Suede for the frame and Sienna for the fields.

APPLICATING CONTRACTOR:

[Structural Concrete Bonding & Repair](#)

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JOB NOTES:

The project was started in mid May 2006 and completed in time for a Fourth of July party on the roof.

The owners are universally pleased, almost unheard of in large condo projects and for the first time in 20 years, there are absolutely no leaks.