SEAWALL REPAIR NETWORK

Case Study

Seawall Repair to Preserve Property Value

In Siesta Key, Florida, a homeowner faced a critical challenge while trying to sell their property. An engineer's evaluation of the 145-foot seawall revealed soil voids behind the wall, causing pavers on the surface to sink. The prospective buyer insisted on addressing this issue and obtaining a warranty for the repair before proceeding with the purchase. With a specific timeframe for selling the home and the recent passage of Tropical Storm Debby adding stress to the wall, a swift and reliable repair solution became imperative. Seawall Repair Network® contractor Anderson Dock and Lift was called in to get the job done.



Repair Materials

SW-RP1, a structural polymer repair foam, was selected for this project. This seawall repair foam offers exceptional strength and durability for stabilizing seawalls and bulkheads. Once fully cured, SW-RP1 surpasses the strength of traditional repair materials such as sodium silicate or cement grout. Importantly, SW-RP1 is certified to NSF (61-5) standards, ensuring its safety for contact with potable water. This certification makes it an eco-friendly choice for seawall repair, aligning with environmental conservation efforts.



Procedures

The repair process began with careful preparation of the surrounding area. Contractors applied a stain preventer solution to the adjacent concrete surfaces to prevent excess polymers from adhering. SW-RP1 was then injected behind each panel joint of the 145-foot seawall. This procedure effectively sealed leaks, filled voids, and stabilized the soil behind the wall. To further protect the aquatic environment, the team deployed a turbidity barrier. This measure contained any excess foam close to the wall for easy removal, preventing it from entering the main body of water.

Results

This seawall project yielded impressive outcomes. The repair came with a 10-year product warranty from Seawall Repair Network® and a 5-year labor warranty from the contractor, providing long-term peace of mind for the new buyer. Crucially, the repair was completed within the required timeframe, facilitating the property sale. From a financial perspective, the repair cost only 20% of what a full seawall replacement would have entailed. This significant cost saving helped maintain the agreed-upon sale price. The use of structural polymers also minimized disruption to the surrounding property, a critical factor given that the house was already under contract. The repair effectively addressed the buyer's concerns, stabilizing the seawall and resolving the sinking paver issue. By choosing this efficient and cost-effective solution, the homeowner was able to preserve the property's value and successfully complete the sale within the desired timeframe.