SEAWALL REPAIR NETWORK

Case Study

Repairing a Wooden Seawall in Florida



Residents next to Lake Padgett in Land o' Lakes, Florida contacted Seawall Repair Network® contractor Helicon regarding 650 feet of leaking wooden seawall. Depressions were appearing in the land behind the wall, holes were appearing in the wall, and soil was leaking through the wall into the lake. Initially, the residents just had the soil voids and depressions filled with more dirt. This solution didn't last long, however, as the new soil eventually leaked through the wall and the depressions reappeared. If left untreated, this problem would have continued to erode the lakeside property and would have eventually become a threat to houses and structures near the water.

Repair Materials

The crew applied the Seawall Repair Network®'s proprietary SW-RP1 repair material to stabilize the surrounding soil, fill the holes and voids, and stop the leaks.

SW-RP1 Uncured (Appearance brown liquid)		
Viscosity at 77°F (25°C)	(ASTM D4878-98)	± 215 cP (± 215 mPa.s)
Density	(ASTM D3505-96 [2000])	± 70.92 lbs/ft³ (± 1.12 kg/dm³)

SW-RP1 Accelerator, Accelerator for SW-RP1 (Appearance: yellow - orange liquid)		
Viscosity at 77°F (25°C)	(ASTM D4878-98)	± 75 cP (± 75 mPa.s)
Flash point	(ASTM D1310-86)	313°F (156°C)
Density	(ASTM D3505-96 [2000])	± 65.5 lbs/ft³ (± 1.05 kg/dm³)

Procedures

Helicon used Seawall Repair Network®'s patent-pending process and installation techniques to completely stabilize the wooden seawall and preserve its components. A barrier was installed to prevent the environmentally-friendly foam from floating out into the lake and all excess material was removed.

Results

The entire 650-foot stretch of failing seawall was stabilized and sealed for the long term with high-strength SW-RP1 seawall repair material.

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