

# WindMark Beach Village

## Case study

**Focus products:** Intercrete® 4802, Intercrete 4842, Intercrete 4875

**Location:** Port St Joe, Florida, US

**Client:** St Joe Company

**Contractors:** Batson-Cook & ABG Caulking

**Summary:** Waterproofing of cooling tower basin



### Background

WindMark Beach is a 2,020 acre residential and resort community in the historic town of Port St Joe located in Northwest Florida, which has been carefully designed to compliment and respond to its coastal environment and over 1,000 acres of the community are placed in conservation. Leaks were found on the cooling tower basin located at this resort, caused by vibration during running.

### The solution

Intercrete 4842, a cementitious modified, polymer rich coating which maintains its elastomeric properties was chosen as not only is it ideally suited for waterproofing and protecting concrete structures which are exhibiting cracking and where further movement is expected, but also because of its performance history in contact with water chlorine applications. Following some additional repairs using Intercrete 4802, a rapid setting repair mortar, Intercrete 4842, with reinforcing mesh Intercrete 4875 embedded, was applied to aid waterproofing and to protect the “live” cracks of the concrete of the basin. A second coat of Intercrete 4842 was applied, when the first coat was stable.