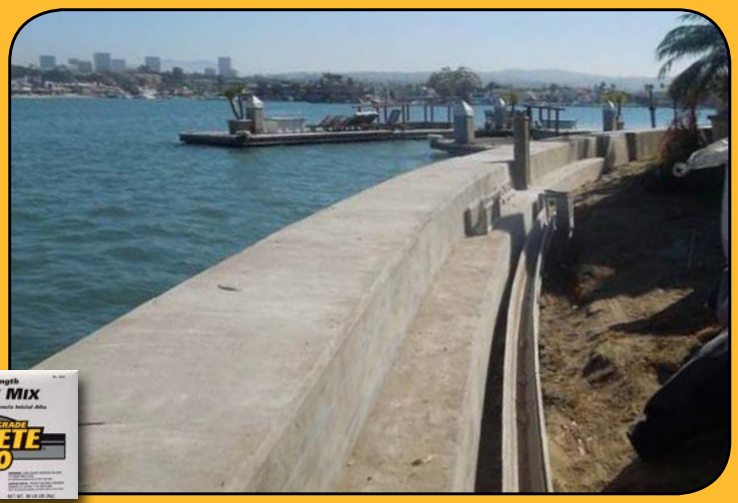
PROJECT > Bay Island Sea Wall Reconstruction

QUIKRETE® 5000 Concrete Mix
Newport Beach, CA

PROJECT DESCRIPTION:
Considered one of the most valuable pieces of real estate in the world and the only natural island in Newport Beach Harbor, Bay Island is a small, private island with only 23 luxury homes passed down by families for generations. The concrete seawall protecting the residents and their property on the exclusive six-acre island became compromised after years of exposure to the coastal elements. Repairing the seawall, which was completely gone in some places, required the use of a concrete mix that would set hard in a short period of time. Rather than use a traditional concrete mix, contractor John S. Meek selected QUIKRETE® 5000 Concrete Mix with an integral super plasticizer to maintain a low water to cement ratio while pouring at a 7" to 9" slump to meet the challenging project specifications.

A complicated, but well-choreographed process to restore the seawall started with mixing up to four 3,000 lb bulk bags of QUIKRETE® 5000 Concrete Mix in an industrial mixer on a barge 100' off shore. The mixed concrete was then placed in a 2,000 lb hopper and transported by boom crane to the Bay Island shore where it was poured quickly in the seawall cap forms, which were 1,260' long by 4' wide by 4" deep. In addition, the concrete mix was used to pour an 850' drain system and a 500' sidewalk on Bay Island. The entire project required nearly 40 truckloads of QUIKRETE® 5000 Concrete Mix.

QUIKRETE® 5000 Concrete Mix is a commercial grade blend of stone or gravel, sand and cement for any concrete use requiring high early strength and rapid strength gains including cold weather applications. It has a walk-on time of 10 - 12 hours and can be used for any application requiring concrete in a minimum thickness of 2" (51mm) like slabs, footings, steps, columns, walls and patios.



CONTRACTOR: John S. Meek Co.

QUIKRETE® PRODUCTS:
• 3,000 lb QUIKRETE® 5000: 500 bags

PROJECT START DATE:
June 2014
PROJECT COMPLETION DATE:
December 2014

QUIKRETE® 5000 >>