

PROJECT PROFILE

PRECAST







KAUMALAPAU HARBOR - ISLAND OF LANAI, HI

PROJECT DESCRIPTION

The Kaumalapau Harbor required a complete reconstruction of an outdated breakwater system to properly protect the harbor shoreline. The unique system utilized Core-loc[®] Concrete Armor Units that were developed and patented by the U.S. Army Corps of Engineers, Waterways Experiment Station's Coastal and Hydraulics Labratory. The protruding arm helps to lock each unit in place with the next. The shape prevents them from moving when the waves hit the shoreline. **The project required 70,000 Ibs. of FORTA-FERRO[®] to cast 800 Core-loc[®] units**.

"Design required no steel!"

- Ray Kong, Army Corp. of Engineers

UPDATE

Even after 9 years, they look as good as new! There has been no reported major deterioration of the Core-loc[®] units and the shoreline shows no signs of breakwater damage.

KEY POINTS

- After 9 Years, Looks Good as New
- No Reported Major Deterioration
- Shoreline Show No Signs of Breakwater Damage

DETAILS

Date: 2007

Location: Kaumalapau Harbor, Island of Lanai, HI Dosage: 5.0 lbs. / cu. yd. Fiber: FORTA-FERRO® 2-¼" Application: Precast

Contact us for more details