



PROJECT PROFILE

Fuel depot depends on Thiokol® technology to seal concrete leaks



CUSTOMER

US Navy
Honolulu, Hawaii

PROJECT TEAM

Contractor: not available

PROJECT OVERVIEW

The H Pier at Pearl Harbor is used for re-fueling aircraft carriers. A concrete trench under the fuel pipelines serves as secondary containment for spills and leaks. This trench had numerous cracks due to its cantilevered design and the vibration that resulted from opening and closing pipeline valves during fueling.

Thiokol® coatings were selected to seal the cracks and resurface the concrete. These products utilize liquid polysulfide (LP) which enable the coatings to bridge small cracks and prevent further cracks from occurring. The coatings are highly resistant to fuels. Diluted Thiokol® FEC 2233 was used as a primer and seal, while Thiokol® RLP 2078 was applied in two coats as a flexible coating barrier. Unlike other coating products, these coatings will not harden with age.

KEY CONSIDERATIONS

Flexibility: The coating system was chosen due to its ability to bond well to concrete and remain flexible without age hardening.

Chemical resistance: The coating must protect the concrete against splash and spill of petroleum fuels.

SYSTEM PRODUCTS

- **Thiokol® FEC 2233**
Concrete and Steel Coating, Flexible Epoxy
- **Thiokol® RLP 2078**
Elastomeric Polysulfide Coating

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