

**Location:**

Singapore (Jurong), ---

**Date of Application:**

July 2008

**Market:**

Fireproofing - Industrial (USA)

**Substrate:**

Steel

**Surface Prep:**

SSPC-SP 6 (Commercial Blast)

**Exposure:**

Exterior Weathering - severe industrial  
- seacoast and chemical environment

**Square Feet:**

42000.0

## Akoa Mizu

**Project Description:**

An FPSO, slated for UK waters and designed/operated by Bluewater of the Netherlands. DNV were responsible for certifying the vessel.

Fireproofing was to be applied to the main firewall, the escape tunnel and key structural steelwork.

Vessel conversion and fabrication of process etc was by Jurong Shipbuilding and Engineering of Singapore.

**Project Challenge:**

Constant rain and high humidity in Singapore resulted in difficult application conditions. Access was limited and interruptions to production frequent.

The project specified a jet fire resistant system that met the requirements of NORSOK M 501 REv 4 and with a blast resistance of at least .3 barg (5 psig).

Requirements met with Thermo-Lag 3000 and 3002.

**Coating Selection Explanation:**

Thermo-Lag 3000 P was used for the hydrocarbon rated areas and in tandem with Thermo-Lag 3002 for the jet fire rated areas. The Thermo-Lag 3002 thickness was 3mm (1/8") and the Thermo-Lag 3000 P thickness between 3mm and 10mm (3/8").

