



## INTERNATIONAL SAMSUNPORT - SAMSUN, TURKEY

### PROJECT DESCRIPTION

The Port is the biggest port in the Black Sea area and has been surrounded by breakwaters to protect the dock areas. The dock operations, including ship loading and unloading, are 24 hours a day and 365 days a year. The main reinforcement for all construction has been decided as FORTA-FERRO<sup>®</sup> 54 mm. The construction site had three distinct parts: container zone, warehouses and silo area, and the concrete roads. The total construction area was 200,000 sq. m. and the thicknesses of the concrete structure in all parts were 30 cm. Placement of concrete was made by pavement machine, which also lead to **reduced construction time**. The main benefit of FORTA-FERRO<sup>®</sup> in SAMSUNPORT was to **minimize the effects of saline water and plastic shrinkage cracks due to the strong winds**. FORTA-FERRO<sup>®</sup> also **increased the fatigue resistance and flexural strength of concrete slab under heavy loads of trucks and containers**.

### KEY POINTS

- Superior Strength
- Reduced Time of Construction
- Reduced Shrinkage and Cracking

### DETAILS

**Date:** October 2010

**Location:** Samsun, Turkey

**Dosage:** 5.0 lbs. / cu. yd.

**Fiber:** FORTA-FERRO<sup>®</sup> 54 mm

**Owner Type:** Government

**Application:** Slab-on-Ground

Contact us for more details