



## YUMA FEDERAL COURTHOUSE - YUMA, AZ

### PROJECT DESCRIPTION

Yuma Federal Courthouse expansion project slab-on-metal-deck applications required a high dosage of macro synthetic fiber reinforcement **in lieu of conventional temperature-steel reinforcement**, which offered a **uniform three-dimensional non-corrosive way to reduce cracking**. FORTA-FERRO<sup>®</sup> was used at a dosage of 7.0 lbs. / cu. yd. in approximately 30,000 square feet of floor slab requiring over 450 cubic yards of concrete. In addition, FORTA-FERRO<sup>®</sup> was used successfully in 1,300 square feet of slab-on-metal-deck construction, and dramatically reduced cracking found in other similar deck placements that had been placed previously. Even at the high dosages, the fiber mixed, distributed, pumped and finished extremely well throughout, **offering a cost-effective and labor-free alternate to conventional temperature reinforcement.**

### KEY POINTS

- Reduced Cracks
- Mixed and Pumped Easily
- Cost Effective
- Superior Finish

### DETAILS

**Date:** October 2011

**Location:** Yuma, AZ

**Dosage:** 7.0 lbs. / cu. yd.

**Fiber:** FORTA-FERRO<sup>®</sup> 2-1/4"

**Owner Type:** Government

**Application:** Slab-on-Metal-Deck

Contact us for more details