



TUCCO-TUCKER CONCRETE - BUCKHEAD, GA

PROJECT DESCRIPTION

This project included a foundation pad for the new batch plant, considerable surrounding pavement for high-load truck traffic, and a building and floor for an on-site mechanical shop. The foundation pad originally called for 2 mats of #5 bar 12" O.C. FORTA-FERRO[®] was used instead at a dosage of 7.5 lbs. / cu. yd. as total steel replacement, offering a **significant savings in both construction time and material costs**. FORTA-FERRO[®] was used at 7.5 lbs. / cu. yd. as a **total steel replacement for the pavement section**. A precast concrete junction box 5' wide x 8' long x 4.5' high with 2-1/2" thick walls was also reinforced with fiber. This precast unit used first-generation fibrillated (net-shaped) synthetic fiber, ECONO-NET[®], at a 3.0 lb. / cu. yd. **Even at high fiber dosages, there was no evidence of fiber on the formed finish, and the walls were placed without construction joints and resulted in no observable cracking.** The mechanical building floor also used fiber replacing the #4 bars on 24" centers.

KEY POINTS

- Reduced Steel Reinforcement
- Mixed and Placed Easily
- Cost Effective
- Reduced Cracking

DETAILS

Date: October 2006

Location: Buckhead, GA

Dosage: 7.5 & 3.0 lbs. / cu. yd.

Fiber: FORTA-FERRO[®] 2-1/4"
ECONO-NET[®]

Owner Type: Individual

Application: Pavement/Precast

Contact us for more details