



BON TOOL COMPANY - GIBSONIA, PA

PROJECT DESCRIPTION

Ownership of the Bon Tool Company in western Pennsylvania investigated the use of fiber reinforcement as an alternative to conventional steel in their large warehouse/office space addition. Approved by both owner and project engineer, FORTA-FERRO[®] was used in over 55,000 square feet of 6" thick warehouse slab-on-grade, and 15,000 square feet of 3" thick slab-on-structural metal deck for office space. The 2-1/4" long structural fiber was used in lieu of steel, at a dosage of 5 lbs. / cu. yd. in the floor slab and 3.0 lbs. / cu. yd. in the office deck. The FORTA-FERRO[®] **mixed very uniformly, and eased reinforcement placement labor and difficulties** associated with steel on this laser screed project. Placement pins were also installed in the floor slab to measure overall slab dimension change over several saw-cut control joints. FORTA-FERRO[®] provided the owner with an **easy-to-use and cost-effective method of crack control, and with an excellent surface finish.**

KEY POINTS

- Excellent Finish
- Uniformly Mixed and Placed Easily
- Cost Effective
- Reduced Cracking

DETAILS

Date: October 2002

Location: Gibsonia, PA

Dosage: 3.0 & 5.0 lbs. / cu. yd.

Fiber: FORTA-FERRO[®] 2-1/4"

Owner Type: Individual

Application: Slab-on-Metal-Deck
Slab-on-Grade

Contact us for more details