



FORTA CORPORATION - GROVE CITY, PA

PROJECT DESCRIPTION

The 18,000 square foot L-shaped addition to the FORTA[®] production and warehouse facility was divided into two large slabs (115 feet x 85 feet and 127 feet x 60 feet) separated by a construction joint using Diamond-Dowels as the load-transfer system. Original contractor plans called for sawcut joints on 15-foot centers, amounting to over 2,150 feet of sawcuts. The use of the FORTA-FERRO[®] allowed for the elimination of the sawcuts and joint-fill, as well as the elimination of the conventional steel reinforcement grid in this 6" thick floor. The FORTA-FERRO[®] reinforced concrete was placed on a double layer slip-sheet membrane to allow for movement over compacted base material. The slab was placed with a laser-screed, **finished with a machine-trowel polished surface**, and water cured for 7 days. **Though slab #2 has developed a crack at approximately 60 feet on the longest side, slab #1 remains crack-free at over five years of age.**

KEY POINTS

- Increase Toughness
- Reduced Shrinkage and Cracking
- Superior Finish

DETAILS

Date: May 2001

Location: Grove City, PA

Dosage: 7.5 lbs. / cu. yd.

Fiber: FORTA-FERRO[®] 2-1/4"

Owner Type: Individual

Application: Slab-on-Ground

Contact us for more details