



SIGMA THERMAL CORPORATION - MARIETTA, GA

PROJECT DESCRIPTION

Over 800 cubic yards of concrete used for interior office slabs, exterior sidewalks and parking area, and loading docks, the micro-fibrillated FORTA® ECONO-NET® fiber was used at dosage of 3.0 lbs. / cu. yd. to control cracking. For 30,000 sq. ft. of heavy-duty 8" thick manufacturing floor slab-on-ground, the macro synthetic FORTA-FERRO® was specified at a high dosage of 7.5 lbs. / cu. yd. and followed a regimen of low-shrinkage concrete and practices to push joint-spacing out to 50' x 60' column lines. And for 21,000 sq. ft. of six 1/4" thick lightweight concrete slab on composite metal deck, **FORTA-FERRO® macro synthetic fiber was used as an alternate to welded wire fabric** at a dosage of 5.0 lbs. / cu. yd. **In all, fiber reinforcement was used successfully to control cracking and add toughness in over 2,000 cubic yards of concrete.**

KEY POINTS

- Reduced Shrinkage
- Mixed and Pumped Easily
- Cost Effective

DETAILS

Date: October 2011

Location: Marietta, GA

Dosage: 7.5, 5.0, & 3.0 lbs. / cu. yd.

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

Wheeler Services, Inc.
Alpharetta, GA
www.wheelerservicesinc.com



Contact us for more details