



GILLILAND PALLET COMPANY - NEW WILMINGTON, PA

PROJECT DESCRIPTION

This high-abrasion, high-load, and high-impact requirement floor was originally specified to include #4 rebar on 18" centers. FORTA-FERRO[®] was used at various trial dosages (ranging from 3.75 lbs. to 7.5 lbs. / cu. yd.) and at two fiber lengths (1-1/2" and 2-1/4") to determine potential reinforcement-level thresholds. The 6" thick, 4000 p.s.i. concrete slab was designed for a potential live load of 2,000 lbs. / sq. ft., and to withstand the impact of logs falling from four feet above the slab. **The 200 total cubic yard project was placed in four separate joint-free bays of 30 feet x 90 feet each to minimize forklift difficulties.** After many years in service, only one bay has developed a non-curved crack at midspan of the bay which used the shortest length and lowest fiber dosage, while all others remain crack-free with a very smooth and durable wearing surface. **This project represented the first macro synthetic fiber-reinforced joint-free slab project in the United States.**

KEY POINTS

- Superior Strength
- Reduced Curling and Cracking
- Durable

DETAILS

Date: April 2000

Location: New Wilmington, PA

Dosage: 3.75 & 7.5 lbs. / cu. yd.

Fiber: FORTA-FERRO[®] 1-1/2" & 2-1/4"

Owner Type: Individual

Application: Slab-on-Ground

Contact us for more details