



AMES HANGAR 1006 - WILMINGTON, OH

PROJECT DESCRIPTION

The pavement portion of the Joint Use Maintenance and Paint Hangar 1006 required loading capacity for aircraft as large as a Boeing 747-400 and Boeing 777-300ER. The project was originally specified with 2 layers of #4 rebar, 18" o.c. in this 12" thick slab. The concrete contractor submitted FORTA-FERRO[®] synthetic macro fiber to replace the steel in this 88,000 sq. ft. project. A dosage rate of 5.0 lbs. / cu. yd. was required to replace the steel with joint spacing at 15 ft. Over 20,000 lbs. of FORTA-FERRO[®] were utilized to **increase the fatigue resistance and flexural strength of the slab under the heavy point loads of the large aircraft.**

KEY POINTS

- Increase Fatigue Resistance
- Increase Flexural Strength
- Durability and Toughness

DETAILS

Date: July 2013

Location: Wilmington, Ohio

Dosage: 5.0 lbs. / cu. yd.

Fiber: FORTA-FERRO[®] 2-1/4"

Owner Type: Individual

Application: Slab-on-Ground

Contact us for more details