FORTA
FORTA-FERRO®

PROJECT PROFILE

# SLAB-ON-GROUND

## KENNAMETALS - ORWELL, OH

## PROJECT DESCRIPTION

A steel fabrication facility that manufactures all types of tooling for drilling, boring, and metal cutting applications, used FORTA-FERRO macro synthetic fibers at a dosage of 6.0 lb/cu yd to reinforce a warehouse floor in an expansion facility. The floor also received a reflective dry shake hardener for increased surface strength and increased light while reducing needed power. Fibers **add ductility** and **impact strength** which aids in an environment that is subject to heavy vibration because of the processing equipment and robotics. Steel replacement with FORTA-FERRO also **reduced shrinkage cracking,** allowing for a more stable foundation in these conditions. Additionally, the project was under a roof and rough wall frame, making it unavailable to pump in the concrete. Therefore, the **fiber replacement allowed for ready mix trucks to back into the job** without crushing steel reinforcements.

## KEY POINTS

- Reduced Shrinkage Cracking
- Add Ductility & Impact Strength
- Reduced Construction Time

## DETAILS

**Date:** July 2019
**Location:** Orwell, OH
**Dosage:** 6.0 lb/cu. yd.
**Fiber:** FORTA-FERRO® 2-¼"

**Contact us for more details**