

FOCUS ON FIBERS



BARD MATERIALS CENTRAL READY MIX PLANT

Dubuque, Iowa

MAKE SURE IT'S TRUE FIBERMESH



- Performance throughout the life span of the concrete
- 100% positive placement
- Saves time and hassle
- Faster, more efficient construction

PROJECT DATA

APPLICATION TYPE:

Slab on grade, Topping slab

FIBER TYPE:

Fibermesh 300,
Novomesh 950

GENERAL CONTRACTOR:

Spoden Construction Inc.

CONCRETE CONTRACTOR:

D & D Superior
Concrete Construction

Tri-State Concrete Construction

Dimmer Brothers Concrete

CONCRETE PRODUCER:

BARD Materials

TOTAL AREA:

25,000 square feet



The owners of BARD Materials demonstrated their strong belief in the benefits of fiber reinforced concrete during the construction of their own state-of-the-art Ready Mix Plant and Maintenance Shop in Dubuque, IA. Originally, the engineer specified WWF for slab-on-grade and 3" topping slab. Fibermesh 300 replaced the light gage WWF for the plant dispatch/office, concrete lab, and shop breakroom floors. FM 300 also replaced the WWF for the 3" topping slab over precast

floor panels that were used for the second story of the Plant office and Shop mezzanine level. BARD Materials gained approval for Fibermesh 300 as the fiber alternate realizing that it is impossible to position light gage welded wire fabric in the upper portion of the 4" floors and the 3" topping slab. The new maintenance shop floor included an in-floor heating system originally designed with #4 rebar at 12" centers. BARD Materials gained approval for Novomesh 950 as the fiber alternate realizing the

benefit of 3-dimensional reinforcement throughout the 8" thick floor without damaging the heating system and provide improved durability. Novomesh 950 was also used for exterior approach pavement near the drive-over aggregate bins. The engineer approved NM 950 in lieu of the #5 rebar at 12" centers. BARD Materials realized the pavement would be subjected to a large amount of truck traffic and abrasive forces from end loaders and wanted the improved impact and abrasion resistance along with superior joint width control that NM 950 provides. Everyone involved is pleased with the superior performance and ease of placement of Fibermesh 300 and Novomesh 950.

Fellow Partners in this Project were:

