



Western Canada Concrete Solutions

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P.O Box 383

Roblin, MB

R0L 1P0

WCCS 50/50 STEEL FIBER Product Data

Description

WCCS 50/50 steel fiber are manufactured from low carbon and cold drawn from high quality steel wire. WCCS 50/50 steel fibers are deformed into hooked ends that enhance their ability to anchor within the concrete. WCCS 50/50 steel fibers comply with ASTM C1116 and ASTM A820.

Physical Properties

- Diameter 1mm
- Length 50mm
- Aspect ratio 50
- Tensile strength >1100 MPA

Applications

- Shotcrete
- Precast Concrete Applications
- Cast in place concrete
- Warehouse floors
- Bridge decks, overlays & pavements
- Septic tanks

Features & Benefits

- Increases toughness and tensile strength
 - Reduces rebound
 - Optimizes sprayed concrete lining thickness
 - Provides 3-dimensional reinforcement
 - Reduces shrinkage and temperature cracking
 - Increases overall durability
 - Improved impact resistance
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Recommendations

Order of addition do not place fiber into the mixer as the first component; the fibers can be added along with the sand and aggregate or after all other ingredients have been introduced. Ensure that the fibers are mixed for 4 – 5 minutes at full speed to ensure distribution throughout the mix and to avoid balling.

Fibers will (depending on dosage) reduce the apparent slump of the mix, adjustments to super plasticizer or water reducer dosage is usually required.

Packaging

WCS 50/50 steel fibers are available in 20 kg bags and 1,000-kilogram bulk bags.