



Western Canada Concrete Solutions

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Roblin, MB

R0L 1P0

## WCCS 65/35 STEEL FIBER Product Data

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### Description

WCCS 65/35 steel fiber are manufactured from low carbon and cold drawn from high quality steel wire. WCCS 65/35 steel fibers are deformed into hooked ends that enhance their ability to anchor within the concrete. WCCS 65/35 steel fibers comply with ASTM C1116 and ASTM A820.

### Physical Properties

- Diameter .55mm
- Length 35mm
- Aspect ratio 64
- Tensile strength >1300 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 65/35 steel fibers are available in 20 kg bags and 1,000-kilogram bulk bags.