

Product Data Sheet

CasTech Steel Fiber

Nov-2025, Ver. 01.01



CT-SF8060-HHG Hooked-End High Tensile Steel Fiber

DESCRIPTION

CasTech Steel Fiber CT-SF8060-HHG is a high tensile strength hooked-end steel fiber manufactured from cold drawn steel wire and supplied in glued/collated form. It is designed for use as concrete reinforcement to improve crack control, toughness, impact resistance and post-cracking performance.

USES

- Industrial concrete floors and slabs
- Shotcrete and sprayed concrete applications
- Roads, pavements and roundabouts
- Precast concrete elements
- Slab-on-pile applications
- Heavy-duty concrete structures

STANDARDS AND COMPLIANCE

CasTech Steel Fiber CT-SF8060-HHG complies with the following international standards:

- EN 14889-1: Fibres for concrete – Steel fibres
- ASTM A820/A820M Type 1: Steel Fibers for Fiber-Reinforced Concrete
- KS F 2564: Steel Fiber Reinforced Concrete Standard

ADVANTAGES

Advantages and benefits:

- Improves crack control and concrete toughness
- Provides high post-cracking load capacity
- Enhances impact and fatigue resistance
- Uniform dispersion throughout the concrete mix
- Reduces conventional reinforcement requirements in suitable designs
- Improves construction efficiency and site safety

TYPICAL PROPERTIES

Product Type	Hooked-End High Tensile Steel Fiber
Manufacturing Process	Cold Drawn Steel Wire
Fiber Form	Glued / Collated
Length	60 mm
Diameter	0.75 mm
Aspect Ratio (L/D)	80
Cross Section	Round
End Shape	Hooked End
Tensile Strength	2100 MPa
Young's Modulus	210 GPa
Approximate Fiber Quantity	4600 fibers/kg

DOSAGE

Dosage depends on the structural design requirements, concrete grade, application and performance requirements. The recommended dosage shall be determined through engineering design and trial mixes.

PRECAUTIONS

Health & Safety:

Steel fibers may have sharp edges. Appropriate personal protective equipment, including gloves, should be used during handling and installation.

STORAGE

Store in dry conditions under cover and protect from moisture. Keep packaging sealed until use. Handle carefully and wear suitable gloves during handling.

PACKAGING

- 10 kg bags
- 20 kg bags
- 20 kg boxes
- Bulk big bag options available

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TECHNICAL SUPPORT

CasTech offers a full technical support package to specifiers,

contractors and end users, as well as technical assistance on site and after-sales consultations.

CasTech MIDDLE EAST FZE

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