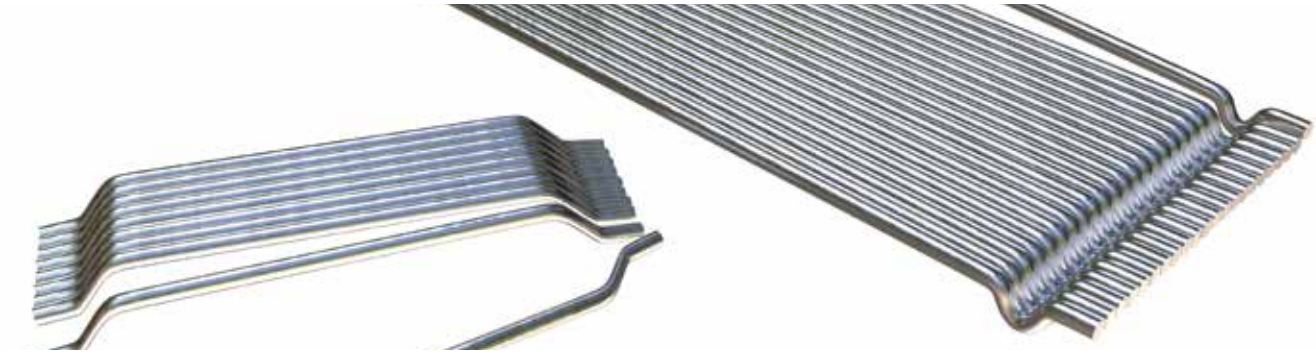
ECA HE Steel Fiber

High performance steel fibers with hooked ends for reinforcement of concrete and mortar



Product Description

ECA HE Steel Fiber is steel wire filaments with hooked ends. Steel fibers are designed for use with all types of concrete mixes to enhance mechanical properties and reduce plastic shrinkage cracking. ECA HE Steel Fiber is complies with ASTMA820, Type I and EN 14889-1.

Advantages

- Increase in load bearing capacity
- Increase in flexural bending strength
- Increase in fatigue and abrasion resistance
- Greater impact resistance and improved resistance to dynamic loads
- Reduction in shrinkage cracks due to full depth reinforcement distribution
- Economic advantage such as reduction in section thickness and construction time
- 1- 2 hours fire rating

Typical Properties

Diameter	Length	Aspect Ratio	Tensile Strength	Type
±0.20 mm	±2 mm	(L/D)	(Mpa)	
0.38-1.20	30-60	37-92	1100-2900*	B/L**

Applications

ECA HE Steel Fiber is ideally designed for use in the following applications:

- Tunnel segments
- Foundation slabs
- Pre-cast concrete
- Industrial flooring
- Composite decks
- Pavements
- Shotcrete
- Slabs on piles
- Shear reinforcement in prestressed elements

Method of Use

To ensure proper mixing, ECA HE Steel Fiber should never be added as the first component of the concrete or mortar mix. ECA HE Steel Fiber should be added during or after the batching of the concrete mix. Mixing time should be continued for 5 minutes to ensure a uniform distribution of the fibers in the concrete mix.

Packaging

ECA HE Steel Fiber is available in 20 kg bags.

Storage

Store under cover away from heat sources. If these conditions are exceeded, European Concrete Additives Technical Department should be contacted for advice.

Technical Service

The Technical Department is available to assist you in the correct use of our products and its resources are at your disposal entirely without obligation.

Contact Information

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