Optimet® 7030

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Optimet® 7030 Steel Fibres Specification Sheet

Optimet® 7030 Steel Fibres conforms to ASTM A-820 - Type-1

Optimet® 7030 is a loose undulated end fibre that was designed for wet or dry mix shotcrete applications as well as for flooring or precast applications requiring short fibres.

This product is design to generate very high toughness in concrete. It can be used in concentrations ranging from 20 to 75 kg/m³.

Fiber Characteristics

Material Type		Design Details	
Steel Type:	Low carbon Drawn Wire	Geometry:	Patented Undulated Ends
Ultimate Tensile Strength:	1200 MPa (170,000 psi)	Length:	30 mm (1.25 inches)
		Diameter:	0.68 mm (0.029 in.)
		Aspect Ratio:	46

Packaging

Bag Size: 25 kg
Packaging: 1200 kg pallets (48 boxes)

Storage

The product shall be stored in a dry area. For outside storage, consult the project Engineer and Optimet's Handling and Safety Sheet.

Specification

The concrete shall be reinforced with 30 mm (1.25 inches) long Optimet® 7030 Steel Fibers or equivalent, in concentrations mentioned in the Specifications or on the Engineering drawings. Steel Fibers must conform to ASTM A-820 Type 1 Cold Drawn Wire and must have Undulated Ends Deformation.

Optimet Steel Fibers can be added before, during or after the concrete batching process. It is recommended to add fibers using conveyor system adequately designed and adapted for this applications. For information about fiber addition, consult your Optimet Representative.

Steel Fiber Reinforced Concrete performance shall be measured in accordance to ASTM C-78, C-1609 and if applicable C-1399.

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