

PRODUCT DATA SHEET

SikaFiber®-8060 MA

HIGH TENSILE STEEL FIBRES FOR CONCRETE

DESCRIPTION

SikaFiber®-8060 MA steel fibres are designed specifically for the reinforcement of concrete, mortars and other cementitious mixes. SikaFiber®-8060 MA is a cold drawn wire fibre, deformed with five hooks ends to provide optimum performance and maximise mechanical interlock within the concrete matrix. Suitable for use in hot and tropical climatic conditions.

USES

- Sprayed Concrete
- Precast
- Overlays and screeds

FEATURES

- Provides uniform multi-directional concrete reinforcement
- Increases crack resistance, ductility, energy absorption or toughness of concrete
- Improves impact resistance, fatigue endurance and shear strength of concrete
- High tensile strength fibre bridging joints and cracks to provide tighter aggregate interlock resulting in increased load-carrying capacity
- Provides increased ultimate load-bearing capacity which allows possible reduction of concrete section
- Requires less labour to incorporate into concrete than conventional reinforcement
- Offers economical concrete reinforcement solutions with greater project scheduling accuracy
- Ideally suited for hand or vibratory screeds, laser screeds and all conventional finishing equipment
- Safe and easier to use than traditional reinforcement
- Reduces construction time
- Enhanced Mechanical Anchorage
- Improving stress transfer between fibre and concrete under both static and dynamic loading

PRODUCT INFORMATION

Composition	Bright and clean wire (hooked end)		
Packaging	20 Kg / Bag , 1000 Kg/ Bag		
Shelf life	24 months from date of production		
Storage conditions	The pallets should be protected against rain and snow. Do NOT stack pallets on top of each other.		
Dimensions	Length	Diameter	Aspect Ratio
	60 mm	.75 mm	80

TECHNICAL INFORMATION

Specific advice	It is recommended that gloves and eye protection be used when handling or adding SikaFiber®-8060 MA steel fibres to concrete.
Tensile strength	~2300 N/mm ²

APPLICATION INFORMATION

Recommended dosage	The fibre dosage will vary depending on the type of application, concrete mix design and the performance/toughness requirements of each particular project. Typically, steel fibre dosage will be in the range of 20 kg to 40 kg per cubic meter. Sika technical staff can offer advice on dosage requirements once performance requirements have been established by the project designer/engineer.
Compatibility	SikaFiber®-8060 MA steel fibres are compatible with all curing compounds, superplasticisers, water reducers, hardeners and coatings.

BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

ECOLOGY, HEALTH AND SAFETY

This product is an article as defined in article 3 of regulation (EC) No 1907/2006 (REACH). It contains no substances which are intended to be released from the article under normal or reasonably foreseeable conditions of use. A safety data sheet following article 31 of the same regulation is not needed to bring the product to the market, to transport or to use it. For safe use follow the instructions given in the product data sheet. Based on our current knowledge, this product does not contain SVHC (substances of very high concern) as listed in Annex XIV of the REACH regulation or on the candidate list published by the European Chemicals Agency in concentrations above 0,1 % (w/w).

APPLICATION INSTRUCTIONS

MIXING

SikaFiber®-8060 MA steel fibres can be added during or after the batching of the concrete but should never be added as the first component. Such devices as conveyor belts, chutes and dispensers may be used to add fibres to the mixer at the ready mix plant. After the fibres have been added, the concrete should be mixed for sufficient time (minimum 5 minutes at full mixing speed) to ensure uniform distribution of the fibres throughout the concrete.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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ISO 9001, 14001, 45001 – SGS
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Sika Saudi Arabia Limited
Sika MB Construction Chemicals LLC
Sika Construction Chemicals
for Manufacturing LLC
Sika MB LLC

All products are supplied under
a management system certified
to conform to the requirements
of the quality, environmental
and occupational health &
safety standards ISO 9001, ISO
14001 and ISO 45001.



Product Data Sheet
SikaFiber®-8060 MA
September 2025, Version 01.01
021408011000245954

SikaFiber-8060MA-en-AE-(09-2025)-1-1.pdf

