PRODUCT DATA SHEET

SikaFiber® Novocon® HE-1060 HT (GB)

HIGH TENSILE STEEL FIBRES FOR CONCRETE

PRODUCT DESCRIPTION

SikaFiber® Novocon® HE-1060 HT (GB) steel fibres are designed specifically for the reinforcement of concrete, mortars and other cementitious mixes. SikaFiber® Novocon® HE-1060 HT (GB) is a cold drawn wire fibre, deformed with hooked ends to provide optimum performance within the concrete mix.

USES

- Ground supported slabs
- Suspended Floors
- Jointless floors
- External roads & pavements
- Precast
- Overlays
- Walls
- Blast-resistant concrete

CHARACTERISTICS / ADVANTAGES

- 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

APPROVALS / STANDARDS

Conforms to the requirements of 14889-1:2006 Fibres for Concrete Part 1: Steel fibres, Group I Cold drawn wire
DoP 52672937, certified by Factory Production Control Body 1840 and provided with the CE mark

PRODUCT INFORMATION

Chemical Base	Bright and clean wire (hooked end)		
Packaging	SikaFiber® Novocon® HE-1060 HT (GB) fibres are available, as standard, in 25 kg packaging.		
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	**Fibre Length**	**Equivalent Diameter**	**Aspect Ratio**
	60 mm	1.05 mm	57

TECHNICAL INFORMATION

Specific Advice	It is recommended that gloves and eye protection be used when handling or adding SikaFiber® Novocon® HE-1060 HT (GB) steel fibres to concrete.
Tensile Strength	1500 N/mm²

APPLICATION INFORMATION

Recommended Dosage	Typical dosage 20 - 40 kg/m³. Sika technical staff can offer advice on dosage once performance requirements have been established by the project designer/engineer.
Compatibility	SikaFiber® Novocon® HE-1060 HT (GB)T steel fibres are compatible with all curing compounds, superplasticisers, water reducers, hardeners and coatings.

VALUE BASE

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

ECOLOGY, HEALTH AND SAFETY

REGULATION (EC) NO 1907/2006 - REACH

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® Novocon® HE-1060 HT (GB) steel fibres can be added during or after the batching of the concrete but should never be added as the first component. 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.

Placing
SikaFiber® Novocon® HE-1060 HT (GB) steel fibres can be pumped and placed using conventional equipment.
Finishing
Conventional finishing techniques and equipment can be used when finishing SikaFiber® Novocon® HE-1060 HT (GB) steel fibre concrete. In some cases an extra bull float process is advised and lowering the angle of the power float blades will help to minimize fibre exposure on the surface.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

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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