

PRODUCT DATA SHEET

SikaFiber® Novocon® HE1060-HT

High Tensile Steel Fibres For Concrete

PRODUCT DESCRIPTION

SikaFiber® Novocon® HE1060-HT steel fibres are designed specifically for the reinforcement of concrete, mortars and other cementitious mixes. SikaFiber® Novocon® HE1060-HT 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 BS EN 14889-1:2006, Group I
DoP 29544041, certified by Factory Production Control Body 1397 and provided with the CE mark

PRODUCT INFORMATION

Chemical Base	Bright and clean wire (hooked end)		
Packaging	25 kg bags		
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
	60mm	1.0mm	60

TECHNICAL INFORMATION

Specific Advice	It is recommended that gloves and eye protection be used when handling or adding SikaFiber® Novocon® HE1060-HT steel fibres to concrete.
Tensile Strength	1550 N/mm ²

APPLICATION INFORMATION

Recommended Dosage	Typical dosage 20 - 40 kg/m ³ . Sika technical staff can offer advice on dosage once performance requirements are known.
Compatibility	SikaFiber® Novocon® HE1060-HT 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

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

MIXING

SikaFiber® Novocon® HE1060-HT 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.

APPLICATION

SikaFiber® Novocon® HE1060-HT steel fibres can be pumped and placed using conventional equipment. Conventional finishing techniques and equipment can be used when finishing SikaFiber® Novocon® HE1060-HT 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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