BUILDING TRUST

PRODUCT DATA SHEET

SikaFiber® Novocon® HE-0960 EHT

Extra High Tensile Steel Fibres for concrete

PRODUCT DESCRIPTION

SikaFiber® Novocon® HE-0960 EHT steel fibres are designed for the reinforcement of concrete, mortars and other cementitious mixes. SikaFiber® Novocon® HE-0960 EHT is a cold drawn wire fibre, deformed with hooked ends to provide optimum performance within the concrete mix.

USES

- Ground supported slabs
- Jointless floors
- Precast
- Overlays

CHARACTERISTICS / ADVANTAGES

- 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 increased load-carrying capacity
- Reduced labour and construction time
- Suited for hand or vibratory screeds, laser screeds and all conventional finishing equipment
- Requires no minimum amount of concrete cover
- Always positioned in compliance with codes
- Safer and easier to use than traditional reinforcement

APPROVALS / STANDARDS

Conforms to the requirements of BS EN 14889-1:2006, Group I
DoP 28080817, certified by Factory Production Control Body 1397 and provided with the CE mark

PRODUCT INFORMATION

Packaging	25 kg boxes		
Shelf Life	5 years from date of production when stored correctly		
Storage Conditions	Store indoors protected from moisture and direct sunlight		
Dimensions	**Fibre Length**	**Diameter**	**Aspect Ratio**
	60mm	0.9mm	67

TECHNICAL INFORMATION

Tensile Strength	2150 N/mm²
Design Considerations	Effect on strength of concrete: 20 kg/m³ to obtain >1.5 N/mm² at CMOD=0.5 mm and >1 N/mm² at CMOD=3.5 mm

APPLICATION INFORMATION

Recommended Dosage	Typical dosage 15-40 kg/m³
Compatibility	SikaFiber® Novocon® HE-0960 EHT 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.

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-0960 EHT 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. The use of mid or high-range water reducing admixtures can be advantageous, but is not essential.

APPLICATION

- SikaFiber® Novocon® HE-0960 EHT steel fibres can be pumped and placed using conventional equipment. Hand or vibratory screeds and laser screeds can be used with SikaFiber® Novocon® HE-0960 EHT steel fibres.
- Conventional finishing techniques and equipment can be used when finishing SikaFiber® Novocon® HE-0960 EHT 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 minimise 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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