

PRODUCT DATA SHEET

SikaFiber®-30/55 F-HE

Steel Fibre for concrete

DESCRIPTION

Sika® F-HE steel fibres are 30 mm long x 0.55 mm in diameter Hooked end steel fibres for use in concrete as reinforcement.

USES

Applicable as structural reinforcement in concrete for:

- Mining/ Tunnelling/ Slope Stabilization/ Shotcrete
- Roads/ Pavements and overlays
- Precast elements
- Blast resistant structures

CHARACTERISTICS / ADVANTAGES

- Homogeneous reinforcement
- Increase energy absorption and load bearing capacity of concrete
- High impact and abrasion resistance improving concrete quality
- Increase flexural strength
- Cost effective alternative to Welded Mesh
- Safe and easy to use

PRODUCT INFORMATION

Chemical Base	High tensile, cold drawn, hooked end, steel wire
Packaging	25 Kg bags
Shelf Life	24 months from date of production if stored properly in undamaged, unopened, original sealed packaging.
Storage Conditions	Pallets should be protected against rain and snow. Do NOT stack pallets on top of each other.
Dimensions	30 mm Length 0.55 mm Diameter
Tensile Strength	1100 N/mm ² min

APPLICATION INFORMATION

Recommended Dosage	Must only be dosed as per Engineer's specification. (Typically, steel fibre dosage will be in the range of 20kg to 40kg per cubic metre).
Dispensing	Add Sika® Fibres directly into the mixing system during or after the batching of the ingredients, before mixing at high speed. The mixing time will be slightly increased with the addition of Sika® Fibres. Mix thoroughly for at least 5 minutes at high revolutions. NEVER add fibres directly into the mixing water.

LIMITATIONS

- To achieve good results a good concrete quality is required. Fibres cannot improve quality of a poor concrete.
- Sika® Fibres can be used in addition to other Sika admixtures
- Can be used to replace structural, load bearing reinforcement
- Sika® Fibres should not be used as a means of using thinner concrete sections than original design without Engineer's approval.
- Do not increase mixing water when using fibres.

BASIS OF PRODUCT DATA

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.

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.

ECOLOGY HEALTH AND SAFETY

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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