

SikaFiber (G)[®]

Monofilament GlassFibers

Product

Description

- SikaFiber(G)[®] is a monofilament Glass fibers chopped from type E of glass. The fibers are coated with Silane based to sizing improve initial dispersion and bond.
- The fibres are extremely fine, single filaments, measuring 13 microns in diameter, cut to lengths of 6, 12, 18 and 24 mm, in accordance with maximum aggregate size considerations and surface appearance requirements.

Uses

- SikaFiber(G)[®] are used in the following applications:
- Internal Floor Slabs
- Water Retaining Structures
- Concrete Buildings
- Repair Materials
- External Hard Standings
- Pattern Imprinted Concrete
- Bridges
- Precast & Extruded Concrete
- Agricultural Areas
- Piling Concrete
- Shotcrete/Gunite

Advantages

- Reduced Plastic Shrinkage Cracks
- Low static and low fuzz
- Fast and good dispersion in resins.
- Good processing and excellent mechanical properties.
- Alternative to Crack Control Mesh
- Reduced Water & Chemical Permeability
- Low Viscosity and excellent flowability of the paste.
- Increased Abrasion Properties
- Increased Impact Resistance
- Improved Durability

Approval & Standard

Sika Fiber[®] (G) is manufactured to EN ISO 9001 standards and has full British Board Agreement (BBA) approval
Sika Fiber[®] (G) has been tested as per SCAQMD Rule 1168.
Result: VOC Content 0 g/L

Product Data

Base	Glassfiber
Colour	Natural
Design	Monofilament Fiber
Fibre Length	6, 12 , 18 & 24 mm
Diameter	13 ± 10% micron nominal
Packaging	0.9 Kg of fibers is packed in either plastic or degradable paper bags, where one bag of fibers is the required amount of product for one cubic meter of concrete. Bagged fibers are placed in boxes for ease of handling. Fibers can also be ordered in bulk quantities and packed in boxes of 20 - 500 Kg.
Storage Conditions	Boxes of fibers must be stored on a clean surface, in dry conditions under cover and away from the possibility of damage.



Application

Mixing

Fibres should ideally be added at the batching plant; although in some instances this may not be possible and addition at site will be the only option.

If mixing at the batching plant, fibres should be the first constituent, along with half the mixing water. After all the other ingredients have been added, including the remaining mixing water, the concrete should be mixed for a minimum of 70 revolutions at full speed to ensure uniform fibre dispersion.

In the case of site mixing, a minimum of 70 drum revolutions is highly recommended.

Safety Instructions

Ecology

Residues of material must be removed according to local regulations.

Fully cured material can be disposed of as household waste under agreement with the responsible local authorities.

Toxicity

Non-Toxic under relevant health and safety codes.

Transport

Non-hazardous.

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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