

## PRODUCT DATA SHEET

# SikaFiber<sup>®</sup>-106

(formerly MFiber 106)

FineMonofilament Polypropylene Fiber

## DESCRIPTION

SikaFiber<sup>®</sup> 106 is a fine mono-filament fiber which significantly reduce plastic shrinkage cracking and explosive spalling of concrete during fire.

## USES

- Shotcrete
- Precast
- Slabs on ground

## CHARACTERISTICS / ADVANTAGES

- Enable binding of concrete in the early curing stages to maximizing crack control
- Significantly reducing any increase in moisture pressure with the concrete structure during fire
- Uniquely designed and packaged allowing to be evenly dispersed through the matrix, ensuring that no balling or pumping problems occur.

## PRODUCT INFORMATION

<b>Chemical Base</b>	Polypropylene 9003-07-0>99 Grade: Hp555k
<b>Packaging</b>	Available in various packaging depending on the application requirement – fibers wrapped in water soluble plastic pucks (parallel packed) in biodegradable boxes.
<b>Colour</b>	Milky White
<b>Shelf Life</b>	12 months from production.
<b>Storage Conditions</b>	Should be stored undercover and protected from the weather.
<b>Density</b>	Specific Gravity : 0.91
<b>Length</b>	Fiber length : 6 mm Fibers per kg : 110 million fibers
<b>Melting Point</b>	150°-170°C
<b>Colour</b>	Odorless
<b>Resistance to Alkalinity</b>	Excellent
<b>Substrate Moisture Content</b>	0.0%

## 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.

## ECOLOGY, HEALTH AND SAFETY

REGULATION (EC) NO 1907/2006 - REACH

VOC DATA

## APPLICATION INSTRUCTIONS

### APPLICATION

The recommended dosage rate of SikaFiber®-106 is 1.0-2.0kg/m<sup>3</sup>. Entire packages are thrown into the mix allowing for easy handling leaving no waste on site.

Allow 3 to 5 minutes at mixing speed for fibers to disperse evenly throughout matrix. SikaFiber®-106 can be added to the mix at any stage during batching.

## 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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### Product Data Sheet

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