

## PRODUCT DATA SHEET

## Sika® Confibre® 19F

## Fibrillated Micro Polypropylene Fibre

## DESCRIPTION

Sika® Confibre® 19F is a fibrillated micro polypropylene fibre for use in concrete.

## USES

Sika® Confibre® 19F is used in concrete to increase the strain capacity of the fresh concrete, thereby, reducing the incidence of plastic shrinkage cracking. Sika® Confibre® 19F is typically used in concrete for the following applications:

- Floor slabs
- Driveways
- Tilt slabs
- Floor toppings
- Precast elements
- Coloured concrete

Sika® Confibre® 19F can be used in both dry and wet shotcrete applications for:

- Pools
- Channels
- Retaining walls
- Building restoration

## FEATURES

Sika® Confibre® 19F provides the following benefits:

- Increased resistance to plastic shrinkage cracking
- Increased impact resistance
- Increased abrasion resistance
- Increased cohesion
- Non staining
- Low thermal and electrical conductivity

When used in shotcrete the benefits are:

- Reduced rebound
- Thicker layer builds
- Reduced sag
- Increased fatigue resistance
- Alkali and dust proof
- Non staining

## PRODUCT INFORMATION

Composition	100 % Virgin Fibrillated Micro Polypropylene Fibres
Packaging	900 gram bag (15 bags per box)
Shelf life	Indefinite period when stored properly
Storage conditions	Product can be stored for indefinite period in a dry environment
Density	0.91 g/ml
Dimensions	Length 19 mm - nominal diameter 55 µm
Melting point	160 °C
Ignition temperature	Above 350 °C

## TECHNICAL INFORMATION

Concrete mixing time	Place the bag directly into the ready mixed truck or central mixer. Mix until fibres are evenly distributed through concrete.
Tensile strain at break	17 %
Water absorption	Nil

## APPLICATION INFORMATION

Recommended dosage	The recommended minimum dose rate of Sika® Confibre® 19F is 0.9 kg (1 bag) per cubic metre (m <sup>3</sup> ) of concrete. Optimum dosage depends on the type of concrete, site conditions, mix proportions and desired plastic and hardened concrete properties. Laboratory and/or field trials are essential in determining the optimum dosage.
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## BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## IMPORTANT CONSIDERATIONS

- The addition of Sika® Confibre® 19F to a concrete mix is no substitute for proper curing practices.
- Sika® Confibre® 19F is not a structural fibre and therefore should not be used as a substitute for structural steel or steel fibres in structural applications.
- Concrete fibres in general can exhibit lower slumps and the use of a super plasticiser such as Sikament® and ViscoCrete® is recommended.

## 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.

## LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

## 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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ISO 9001, 14001, 45001 – SGS:  
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Sika Gulf B.S.C. (c)  
Sika UAE LLC  
Sika Saudi Arabia Limited  
Sika MB Construction Chemicals LLC  
Sika Construction Chemicals  
for Manufacturing LLC  
Sika MB LLC

All products are supplied under  
a management system certified  
to conform to the requirements  
of the quality, environmental  
and occupational health & safety  
standards ISO 9001, ISO  
14001 and ISO 45001.



### Product Data Sheet

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