

Sika® Confibre 19F

Fibrillated Polypropylene Fibre

Construction

Description	Sika Confibre 19F is a fibrillated polypropylene fibre for use in concrete.
Uses	<p>Sika Confibre 19F</p> <ul style="list-style-type: none">• Is used in concrete to increase the strain capacity of the fresh concrete, thereby, reducing the incidence of plastic shrinkage cracking.• Is typically used in concrete for the following applications:<ul style="list-style-type: none">• Floor slabs• Driveways• Tilt slabs• Floor toppings• Precast elements• Coloured concrete• Can be used in both dry and wet shotcrete applications for:<ul style="list-style-type: none">• Pools• Channels• Retaining walls• Building restoration
Advantages	<p>Sika Confibre 19F provides the following benefits:</p> <ul style="list-style-type: none">• Increased resistance to plastic shrinkage cracking• Increased impact resistance• Increased abrasion resistance• Increased cohesion• Non staining <p>When used in shotcrete the benefits are:</p> <ul style="list-style-type: none">• Reduced rebound• Thicker layer builds• Reduced sag• Increased fatigue resistance• Alkali and dust proof• Non staining
Storage and Shelf Life	Product can be stored for indefinite period in a dry environment.
Application	
Dosage	<p>The recommended minimum dose rate of Sika Confibre 19F is 0.9kg (1 bag) per cubic metre of concrete.</p> <p>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.</p>
Mixing	Place the bag directly into the ready mixed truck or central mixer. Mix for a minimum of three (3) minutes or until fibres are evenly distributed through concrete.



Technical Data (Typical)

Material Type	100% Virgin Fibrillated Polypropylene Fibres
Length of Fibre	19 mm
Diameter	55µm - Nominal
Tenacity CN/Tex	28.0 minimum
Elongation at Break	17%
Softening (melt) Point	160°C
Ignition Temperature	Above 350°C
Density	0.91 grams/ml
Absorption	Nil
Thermal Conductivity	Low
Electrical Conductivity	Low
Acid and Salt Resistance	High
Youngs Modulus	3.5kN/mm ²
Packaging	900 gram bags (10 bags per box)

Important Notes

- 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.

Handling Precautions

- Avoid contact with skin and eyes.
- Wear protective gloves and eye protection during work.
- If skin contact occurs, wash skin thoroughly.
- If in eyes, hold eyes open, flood with warm water and seek medical attention without delay.
- A full Material Safety Data Sheet is available from Sika on request.

Important Notification

The information, and, in particular, the recommendations relating to the application and end-use of Sika's 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 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 proprietary rights of third parties must be observed. All orders are accepted subject of our terms and conditions of sale. Users should always refer to the most recent issue of the Australian version of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.

PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.

