

PRODUCT DATA SHEET

SikaFiber®-20 PPM PH

Monofilament Polypropylene Fiber

DESCRIPTION

SikaFiber®-20 PPM PH is a monofilament polypropylene fiber for use in concrete to reduce the incidence of plastic shrinkage cracking. SikaFiber®-20 PPM PH increases the strain capacity of the fresh concrete therefore reducing plastic cracking.

USES

SikaFiber®-20 PPM PH is ideal for use in concrete used to produce:

- Floor slabs
- Driveways
- Tilt slabs
- Floor toppings
- Precast units
- Colored concrete

SikaFiber®-20 PPM PH can be used in both dry and wet shotcrete applications such as:

- Pools
- Channels
- Retaining walls
- Building restoration

CHARACTERISTICS / ADVANTAGES

SikaFiber®-20 PPM PH provides the following benefits

- Less plastic shrinkage cracking
- Increased resistance to impacts and shattering
- Increased abrasion resistance
- Non-staining

When used in shotcrete the benefits are:

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

PRODUCT INFORMATION

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| Packaging | 18 kg/box (0.6kg/PE bag) |
| Shelf Life | Indefinite period in a dry environment. |
| Storage Conditions | Product can be stored in a dry environment. |
| Fibre Type | 100% Virgin Monofilament Polypropylene Fiber |
| Appearance / Colour | White Monofilament Fiber |
| Length | 20 mm |
| Diameter | 35 ± 5µm |
| Density | 0.91 gram/mL |

TECHNICAL INFORMATION

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| Tensile Strength | 450 - 560 MPa |
| Modulus of Elasticity in Tension | 5100 - 6000 MPa |

APPLICATION INFORMATION

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| Recommended Dosage | SikaFiber®-20 PPM PH shall be added at minimum dose rate of 0.6kg (1 bag) per cubic meter of concrete. |
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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.

USES

- The addition of SikaFiber®-20 PPM PH to a concrete mix is no substitute for proper curing practices.
- SikaFiber®-20 PPM PH is not a structural fiber and therefore should not be used as a substitute for structural steel or steel fibers in structural applications.
- Concrete fibers in general can exhibit lower slumps and the use of a super plasticiser such as Sikament or ViscoCrete is recommended.

LIMITATIONS

Place the bag directly into the ready mixed truck or central mixer. Mix for a minimum of three (3) minutes or when fibers are evenly distributed through concrete.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

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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