

## FIBER

### Concrete Reinforcement Fiber

#### Description

**FIBER** is a 100% polypropylene fiber that disperses homogeneously into the concrete mixture to reduce shrinkage and settlement cracks.

This product is produced under the specification limits of TSE EN 14889 and ASTM C-1116 standards and compatible all types of Portland Cement Types and Grades.

#### Fields of Application

- **FIBER** is a universal product that is used on concrete, screed, precast concrete elements and plaster mortars.
- On precast tunnel elements as a passive fire protection.
- On cement based mortars for repairing, plastering, grading and isolation.
- On concrete of parking areas and ramps.
- On field concrete.
- On thermal stress exposed concrete.

#### Features and Benefits

- Significantly reduces shrinkage and settlement cracks of concrete.
- Improves surface durability.
- Prevents reinforcement from corrosion effect.
- Cost effective.
- Improves tensile strength.
- Alkali resistance.

#### Technical Data

Appearance	Individual fiber
Cross section	Round
Density	0,91 g/cm <sup>3</sup>
Fiber Length	3/6/12/18 mm
Tenacity	6.5 – 7.0 grams/denier – High Tenacity
Tensile Strength	600-700 Mpa
Elongation	20-25%
Young's Modulus	3000-3500 Mpa

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Melting Point	160°C
Softening Point	150°C
Acid/Alkali Effects	Stable
Oxidizing Agent Effect	Stable
Biological Resistance	Stable
Cement Compatibility	Excellent
UV Stabilizer	Optional
Abrasion Resistance	Stable
Moisture regain	70% relative humidity at 21 Celsius = < 0.10 %
HS Code	5503.40.00.00.00

### Consumption

450 - 1200 g/m<sup>3</sup>

### Packaging

Length of fibers 3/6/12/18 mm in 600 g or 900 g packs

### Shelf Life

24 months in original, unopened package.

### Storage

Store in dry area between +5°C and +35°C. Protect from heat, freezing and direct sunlight.

### Cautions / Limitations

- Do not apply in freezing conditions or during precipitation.
- Protect applied materials from rain, freezing, foot traffic and continuous high humidity until completely dry.
- Do not use when air and surface temperatures are below +5°C and above +35°C.

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### Health and Safety

**Warning!** Cause eye and skin irritation. If eye or skin contact, get immediate medical attention. If swallowed, do not induce vomiting. Call a physician or poison control center. Never give anything by mouth to an unconscious person.

Wash hands thoroughly after handling. Wear protective clothing, gloves, eye and face protection. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse. Dispose of unused, contents, container and other contaminated wastes in accordance with local, state, federal and provincial regulations.

Keep container closed when not in use. Keep out of the reach of children.

**Limited Warranty:** This product is subject to a written limited warranty which can be obtained free of charge from BAUMERK Company. Please contact with technical service department for further information and support.