



Roka Fiber

Polypropylene Fiber for Mortar and Concrete

Roka Fiber is an extremely fine, monofilament polypropylene additive fibre to reduce the occurrence of plastic shrinkage and plastic settlement cracking,

Uses & Advantages:

- Reduces plastic settlement and plastic shrinkage cracks.
- Reduces bleeding and significantly lowers brittleness.
- Increases abrasion properties.
- Increases impact resistance.
- Reduces water and chemical permeability.
- Improves freeze/thaw resistance.

Fields of Application:

- Pre-cast concrete.
- Piling concrete,
- Concrete buildings.
- Bridges.
- Water retaining structures.



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Technical Information:

| | |
|-------------------------------|---|
| Chemical Base | 100% polypropylene |
| Color | White |
| Diameter | 34 μ m |
| Length | 6 – 48mm |
| Melting Point | 160°C |
| Ignition Point | 360 °C |
| Tensile Strength | Greater than concrete |
| Elongation Factor | 25% |
| Alkali & Corrosion Resistance | Excellent |
| Thermal Conductivity | Low |
| Electrical Conductivity | Low |
| Packaging | 20 kg |
| Shelf life | 24 months if kept in recommended conditions |
| Storage | Store in a dry area, in unopened and undamaged packaging, between 5°C and 35°C and away from direct sunlight. |



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Mixing:

Roka Fiber can be added directly into the mixing system during or after the batching of the ingredients. Mix thoroughly for at least 5 minutes to incorporate the fiber well into the mixed material.

Limitations:

- A good concrete/mortar quality is required as only Roka Fiber alone cannot improve quality of a poor concrete or mortar.
- Roka Fiber should not be used as a means of using thinner concrete sections than original design.
- Roka Fiber is not a substitute/replacement for structural, load bearing reinforcement.
- Do not increase mixing water when using Roka Fiber.

Health and Safety:

Read product and safety data sheets and container labels for safe use, physical and health hazard information.

Important Note:

The information provided in this data sheet is based on ongoing development efforts and extensive field experience. While we strive to ensure the accuracy and reliability of the information, we cannot assume responsibility for any work performed using our materials, as we have no control over application methods, site conditions, and other factors. Due to ongoing research and



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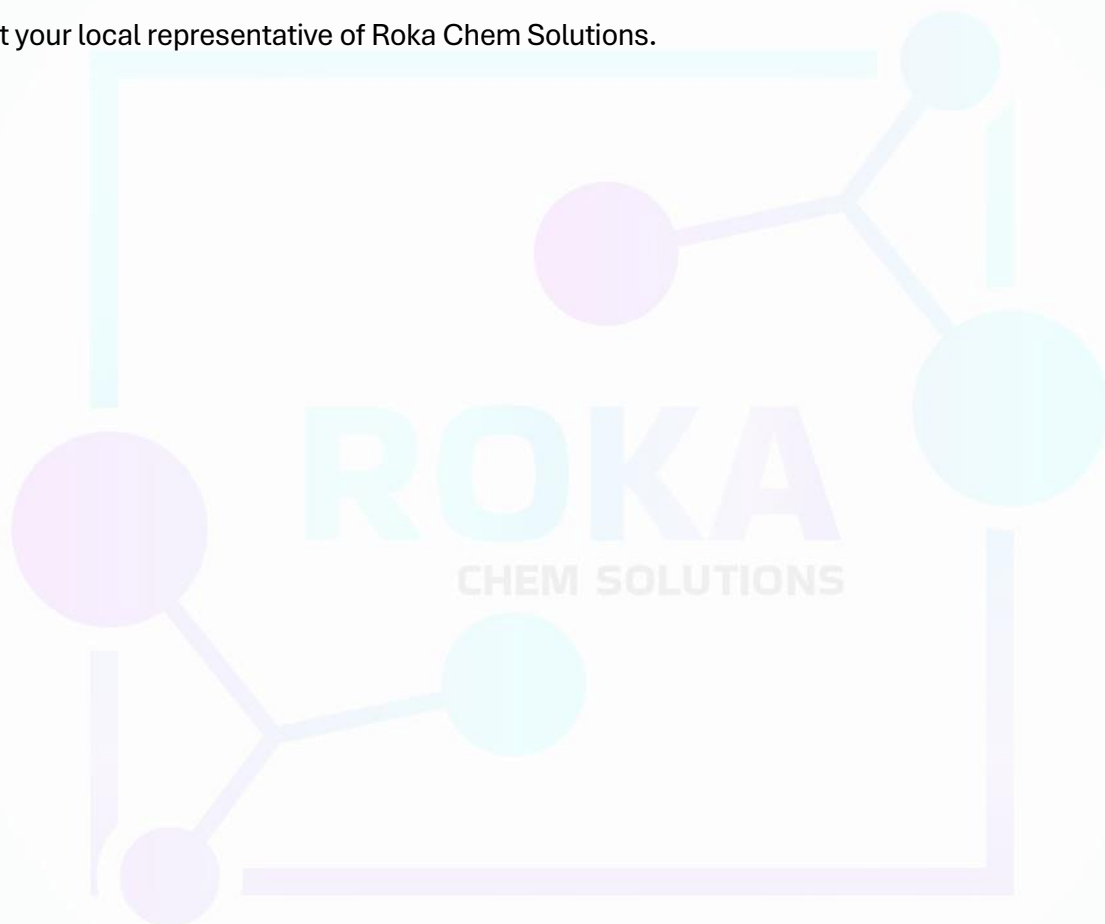


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development in our laboratories, we recommend that customers verify that this data sheet has not been replaced by a more recent publication.

All products are sold under our standard conditions of sale, which are available upon request. Any field services offered do not imply supervisory responsibility. For further information, please contact your local representative of Roka Chem Solutions.



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