



## FIBERCON

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Betonit Polypropylene (PP) Fiber is a monofilament dispersed in cement mixture to increase strength, improved impermeability and enhance service life of concrete by controlling the effects of moisture and water lost in the first stage (24 to 72 hours) of curing.

### USES:

PP Fiber is use to protect fresh concrete against plastic shrinkage by controlling the hydration of material. Also, it effectively binds cement and sand to prevent segregation of mortar mix. It controls the effects of moisture and water lost in concrete's weakest stage. They are either added to mixer or in final layer of mortar in plastering.

### ADVANTAGES:

- Increase resistance to plastic shrinkage during curing
- Avoid micro cracks in concrete
- Improve resistance to explosive spalling
- Produce greater impact, abrasion and shatter resistance.
- Reduces segregation of mix

### SPECIFICATION:

|                   |               |
|-------------------|---------------|
| Material:         | Polypropylene |
| Length:           | 6mm           |
| Density:          | 0.91          |
| Tensile Strength: | >500MPa       |
| Dispersion        | High          |

### MIXING AND APPLICATION:

Follow dosage and add in final layer of mortar and mix at medium speed for 3-4 minutes. The shortest possible mixing until desire paste is achieved is dramatically important to avoid damaging the fibers.

### DOSAGE:

For plaster: 0.03 – 0.06% (72g -144g) by total weight  
For concrete: 0.02 – 0.05% (350g – 820g) by total weight

### PACKAGING:

72g & 820g per bag