

# ALEX FIBER P



## Alkali Resistant Polypropylene Fiber

### Description

**ALEXFIBER (P)** is a pure polypropylene short cut Fibers. The fibers is mixed in with the screed mortar or concrete to prevent cracks and improve its properties and reduce the plastic shrinkage cracking by increasing the tensile capacity of concrete.

### uses

- used for crack control in cementitious Materials covering areas such as ready mix Concrete, pre-cast concrete rendering mortars
- used in industrial flooring, road construction Shotcrete, silo construction, cellar floor and walls, Plasters, repair of mortar, and concrete block Industry

### Advantages

- Improve the resistance of tensile splitting
- Decreases construction time and labor.
- Improve water improbability of concrete and thus prevent corrosion of reinforcement.
- Improves finishing characteristics
- Resistance to acid, lye and salts.
- Reduce risk of subsequent damage.
- Increase the bond between concrete and steel reinforcement.

### Properties

Specific gravity	0.9
colour	White
Tensile strength	350N/mm <sup>2</sup>
Resistance to acid, salt	Excellent
Resistance to alkalis	Excellent
Melting point	160°C
Electrical conductivity	low
Thermal conductivity	low
Freeze-Thaw	High resistance

### Guide to application

#### **Addition Method:**

**ALEXFIBER (P)** is supplied ready for use, and in measure quantities for addition to the concrete mix, whether at the Batching plant or on site.

#### **Coverage:**

- For industrial floor 0.9 kg/m<sup>3</sup>
- For plaster and mortar 0.6-0.9 kg/m<sup>3</sup>
- For precast unite 0.9-2.7 kg/m<sup>3</sup>
- For shot Crete 2.7kg/m<sup>3</sup>

**Packing:**

It is available in bags of 0.9 kg

PP Fiber thickness  $> 18 \mu\text{m}$ , and available

In 8,10,12 mm and other length upon request.

**Storage:**

Should be stored in dry conditions

**Shelf life:**

Up to 12 months

**Safety precautions:**

- Is safe for employee to handle.
- Not affect human skin.
- Not considered hazardous.

**Guarantee:**

All precaution is taken in manufacture of each product to comply with the standard of each material.

The data sheet for each product for information only and may be corrected and no liability is accepted for it.

The results may have variation because the method of their use condition under which they are applied cannot be anticipated.

**Technical Service:**

For any technical advice for using the **ALEXCHEM** contact the technical office.