



## **VITCON 900 PSF** **Polypropylene Synthetic Fibre**

### **DESCRIPTION**

VITCON 900 PSF is a monofilament polypropylene synthetic fibre with special chemical treatment to ensure uniform dispersion in cement/concrete/mortar (plaster) that complies with ASTM C 1116, European standard specification for fibre reinforced concrete and shotcrete.

### **TECHNICAL DATA**

Absorption	Nil
Salt Resistance	High
Acid Resistance	High
Alkali Resistance	Full

### **AREA OF APPLICATIONS**

- Roof slabs, floor slabs, toilet floor slabs, bathrooms, utility areas & kitchens
- Internal and external plaster
- Basement waterproofing
- Shotcrete & guniting
- Industrial and warehouse flooring
- Deep lift walls
- Rafts
- Overlays toppings
- Concrete tanks & roads

### **ADVANTAGES**

- Reinforcement against shrinkage and intrinsic cracking
- Control and mitigates plastic shrinkage cracking in concrete
- Reduces permeability of plaster, thus protects interior paints
- Decreases risk of plastic settlement cracking over re-bar
- Reduces need to water proof plaster, pressure grouting
- Increases surface durability, impact and abrasion resistance
- Makes hardened concrete more tough
- Improves speed and finishing of plasters
- Reduces site labour requirement
- Reduces project costs



## **MIXING PROCESS**

- Add VITCON 900 PSF to concrete and mix for 3 – 5 minutes to provide uniform distribution
- For broomed surfaces, broom one in one direction only

## **DOSAGE**

Normally for Plaster 100 g/50 kg bag of cement and for concrete, 0.9 – 1.8 kg/m<sup>3</sup> of concrete or at 125 g/50 kg bag of cement for most applications.

## **HEALTH & SAFETY**

Contact with concrete may cause irritation, dermatitis or severe alkali burns. There is serious risk of damage to the eyes. Wear suitable waterproof protective clothing, gloves and eye/face protection. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. After contact with skin, wash immediately with plenty of clean water.

## **STORAGE**

Must be stored in original packing at ambient temperature, dry place under shed.