

## CMB FIBRE

### Alkali Resistant Polypropylene fibres

#### DESCRIPTION:

C.M.B fibre is a pure polypropylene short cut fibres . The fibres is mixed in with the screed, Mortar or Concrete to Prevent cracks and improve its properties .

#### FIELDS OF USE:

Industrial floorings	Silo construction
Road construction	Cellar floors and walls
Shotcrete	Screeds
Precast concrete units	Plasters
Concrete block industry	Repair mortar

#### ADVANTAGES:

Dispreses mulidimensionally in concrete and thus prevent shrinkage cracks at the green stage .  
 Improve the resistance to tensil splitting .  
 Improve water impermeability of concrete and thus prevent corrosion of rienforcement .  
 Environmental compatibility and no risk to health .  
 Resistant to acid, lyes and salts .  
 Antistatic agent ensures reactive binding to the cement matrix .  
 Suitable for use in shotcrete because of more homogeneous and less rebound .  
 Reduce the cycle time in precast concrete units .  
 Prevent crazing and improve workability in plasters and repair mortars .  
 Inexpensive .

#### TECHNICAL DATA :

Matrix Material	Morphology	Physical properties
Type : pure polypropylene Density : 0.91 gm/cm <sup>3</sup> Colour : White	Bundle thickness 2mm Fibrils bundle 10 Cut Length 15mm	Tensile strength 370 N/mm <sup>2</sup> M. of elasticity 3750 N/mm <sup>2</sup> Elongation at break 11%
Chemical Properties	Electrical properties	Thermal properties
Resistance to acids, salts V.Good Resistance to Alkalies V.Good	Surface resistance >10 <sup>3</sup> ohm Volume resisitivity >10 <sup>3</sup> ohm	Melting point 160°C gnition temperature >320°C

#### DIRECTIONS FOR USE :

Add the required quantity of C.M.B fibre in the mixer with other constituents . In case of ready mixed concrete C.M.B Fibre can be added both at works or at the building site, a mixing time of one minute per m<sup>3</sup> concrete should be observed .

#### RATE OF USE :

For screeds and industrial floors	0.9 kg/m <sup>3</sup>
For plasters & mortars	0.6 - 0.9 kg/m <sup>3</sup>
For precast units	0.9 - 2.7 kg/m <sup>3</sup>
For shotcrete	2.7 kg/m <sup>3</sup>

#### STORAGE :

Unlimited

#### PACKAGES :

Bags 900 gms , cartons 15 bags