CMB FIBRE
Alkal 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
- Road construction
- Shotcrete
- Precast concrete units
- Concrete block industry

ADVANTAGES:
- Disperses multidimensionally 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 reinforcement.
- 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:

<table>
<thead>
<tr>
<th>Matrix Material</th>
<th>Morphology</th>
<th>Physical properties</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>pure polypropylene</td>
<td></td>
</tr>
<tr>
<td>Density</td>
<td>0.91 gm/cm³</td>
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<tr>
<td>Colour</td>
<td>White</td>
<td></td>
</tr>
<tr>
<td>Chemical Properties</td>
<td>Electrical properties</td>
<td>Thermal properties</td>
</tr>
<tr>
<td>Resistance to acids, salts</td>
<td>V.Good</td>
<td>Surface resistance&gt;10³ ohm</td>
</tr>
<tr>
<td>Resistance to Alkalies</td>
<td>V.Good</td>
<td>Volume resistivity&gt;10³ ohm</td>
</tr>
</tbody>
</table>

Morphology: Bundle thickness 2mm
Fibrils bundle 10 mm
Cut Length 15 mm

Physical properties:
- Tensile strength 370 N/mm²
- M. of elasticity 3750 N/mm²
- Elongation at break 11%
- Melting point 160°C
- Ignition 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 m³ concrete should be observed.

RATE OF USE:
- For screeds and industrial floors: 0.9 kg/m³
- For plasters & mortars: 0.6 - 0.9 kg/m³
- For precast units: 0.9 - 2.7 kg/m³
- For shotcrete: 2.7 kg/m³

STORAGE:
Unlimited

PACKAGES:
Bags 900 gms, cartons 15 bags