**Description**

Tegla SP80 is a new generation superplasticiser based on a new generation modified synthetic carboxylated polymer. It has been designed to impart exceptional performance in concrete roof tile manufacturer or dry/semi-dry concrete. Tegla SP80 if correctly dosed will allow high water reductions and improved extrusion of precast concrete units resulting in high early and long term strength.

**Applications**

Tegla SP80 has been designed for concrete roof tile production where durable strong concrete is required, Tegla SP80 can also be used in most dry/semi-dry processes.

**Benefits in Concrete**

- Better slip
- Increased compaction
- Increased strengths
- Low water/cement ratios
- Lower porosity
- Reduced equipment wear

**Properties**

<table>
<thead>
<tr>
<th>Nature</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>Amber</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.06g/cm³</td>
</tr>
<tr>
<td>pH</td>
<td>7.5</td>
</tr>
<tr>
<td>Chloride Content</td>
<td>&lt;0.10%</td>
</tr>
<tr>
<td>Na₂O equivalent</td>
<td>&lt;1.00%</td>
</tr>
</tbody>
</table>

**Addition Rates**

Dosage rates vary dependant on mix design, process, aggregate type and the desired effect but typically:

250mls - 1000mls per 100 kg cement
(0.25% - 1.00% by weight of cement)

**Standards**

Tegla SP80 complies with the requirements of BS EN 934-2 and is produced in accordance with the ISO 9001 Quality Management Standard and the ISO 14001 Environmental Management Standard.
**Compatibility**

**Tegla SP80** is compatible with all Portland cement systems, including GGBS, Pfa and limestone blends.

**Tegla SP80** is compatible with all Oscrete admixtures, but should be added to the mix separately.

**Storage**

**Tegla SP80** should be protected from extreme temperatures and if stored unopened within the range 5°C - 30°C will have a minimum shelf life of 12 months.

**Handling**

**Tegla SP80** is a non-hazardous product but in line with normal handling procedures, personal protective equipment should be worn.

Refer to the Material Safety Data Sheet for full details.

**Packaging**

200 litre drums, 1000 litre IBCs and bulk deliveries.

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**Notes**

**Tegla SP80** should be added with the water or at the end of the mixing process and not directly onto the cement. A mixing time of at least 30 seconds is recommended after the addition of the admixture.

If frozen **Tegla SP80** may be used after thawing slowly at room temperature followed by intensive remixing.

Please consult the OSCRETE Technical Department for advice on admixture selection.