Addicrete BV1

Water reducing and plasticiser concrete admixture

Standard Specification:

- **ADDICRETE BV1** is a water reducing plasticiser and flowing concrete admixture (complies with ASTM C 494- TYPE A, G, EN 934-2 and ES 1899 -1).

Description:

- It is a ready to use brown liquid concrete admixture based on selective polymers.

Fields of Use:

**ADDICRETE BV1** can be used with all types of cement to achieve the following properties:

- To increase workability without loss of strength.
- To increase strength without loss of workability.
- To reduce cement consumption without loss of workability or strength.

Advantages:

**ADDICRETE BV1** can be used with all types of cement to achieve the following properties:

- Improves workability, with easier and quicker placing and compaction.
- Provides a higher strength without increase of cement content or reduction of workability.
- It improves the quality, the density and appearance of concrete, it improves durability and surface finishes.
- It produces higher cohesion. Risk of segregation and bleeding are minimized.
- Without reduction in the water content, it increases the slump and significantly improves concrete-flow characteristics.
- Easier low pumping pressures, which prevents clogging and reduces friction in the pipeline.
- It Is chloride free, so it’s safe to be use in reinforced and pre-stressed concrete.
- It increases durability and resistance of concrete to the attack of aggressive agents.

Technical Data (at 25 ºC)

<table>
<thead>
<tr>
<th>Base</th>
<th>Selective polymers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Brown liquid.</td>
</tr>
<tr>
<td>Density</td>
<td>1.13 ± 0.01 kg/l</td>
</tr>
<tr>
<td>Chloride content</td>
<td>Nil</td>
</tr>
<tr>
<td>Air entrainment</td>
<td>Almost nil</td>
</tr>
<tr>
<td>Compatibility</td>
<td>All types of Portland cement</td>
</tr>
</tbody>
</table>

Directions for Use:

- **ADDICRETE BV1** is preferably added to concrete during the mixing process or to the water prior to concrete mixing.

Rate of Use:

- Normal dosages ranges from 0.15 – 1 % of cement weight.
- Dosages above 1% by weight of cement fulfil the requirements of ASTM C 494 Type G.
- In all case site trials are strongly recommended for accurate determination of the dosage according to the type and amount of cement, type of aggregates, required concrete slump and targeted compression strength.

Safety Precautions:

- **ADDICRETE BV1** is non-flammable and non-toxic.
- Wash any splashes to the eyes immediately with water.
- For accidental release use an absorbent inert material as sand, then collect up and place in suitable container.

Storage:

- 18 month under suitable storage conditions.

Packages:

- 5 kg, 20 kg and 200 kg.