Addicrete BVS

High Range Water Reducing, Super Plasticiser and Set Retarding Concrete Admixture.

Standard Specification:
- ADDICRETE BVS is a super plasticiser Complies with ASTM C 494 type G (subsequent types A,B), EN 934 - 2 and ES 1899.

Description:
- ADDICRETE BVS is a light brown ready to use aqueous solution, based on organic compounds.

Fields of Use:
- ADDICRETE BVS can be used with all types of cement to achieve the following properties.
- To delay and control the setting of concrete up to 20 hours, specifically in hot weather concreting.
- To produce concrete with high, early and final strength, which is used to produce concrete for bridges, factories, pre-cast and prestressed concrete elements.
- To reduce consumption of cement without loss of workability or strength.

Advantages:
- Prevents honey-combing in the case of high percentage of reinforcement.
- Is a high quality super - plasticiser with retarding effect.
- Is chloride free.
- Can be used with higher dosages to allow for maximum water reduction without any harmful side effects.
- Enables highest reduction in cement and secures higher strengths.
- Produces self-leveling concrete and mortar.
- Minimizes shrinkage and produces concrete that is virtually non shrink.
- Increases both early and final strengths.

Technical Data: (at 25°C)

<table>
<thead>
<tr>
<th>Base</th>
<th>Sodium ligno sulphonate + Napthalin sulphonate</th>
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</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Brown liquid.</td>
</tr>
<tr>
<td>Density</td>
<td>1.21 ± 0.01 kg/l</td>
</tr>
<tr>
<td>Chloride content</td>
<td>Nil</td>
</tr>
<tr>
<td>Air entrainment</td>
<td>Nil</td>
</tr>
<tr>
<td>Compatibility</td>
<td>All types of Portland cement</td>
</tr>
</tbody>
</table>

Directions for Use:
- ADDICRETE BVS is preferably added to concrete during the mixing process or to the mixing water.

Rate of Use:
- Normal dosage: from 0.15% to 2% by weight of cement to increase workability without adding extra water or otherwise, to increase compression strength and keeping the same workability.
- Dosage could be up to 3% by weight of cement. In all cases 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 BVS 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 months under suitable storage conditions.

Packages:
- 20 kg. and 200 kg.
Admixtures For Improving Concrete & Mortar Properties

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Basic CEMENT content for PLASTIC CONCRETE Mixes Without ADDICRETE BVS (kg / m³)

- CEMENT Saving from Basic CEMENT Content for PLASTIC CONCRETE Mixes (kg / m³)

Admixture Content:
- 0.1%
- 0.2%
- 0.5%
- 1.0%
- 2.0%

EXAMPLE:
For a CONCRETE mix with basic CEMENT 325 (kg / m³) the later can be reduce by 29, 46, 58, 70, and 80 (kg / m³) when ADDICRETE BVS is used at the order of 0.1, 0.2, 0.5, 1.0, and 2.0% respectively as indicated by dotted line.

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