Addicrete BVS 1

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

Standard Specification:
• ADDICRETE BVS1 is a super plasticiser concrete admixture (Complies with ASTM C 494 TypeG (subsequently types A,B), EN 934 - 2 and ES 1899.
• Approved from National Organization for potable water and sanitary projects.

Description:
• ADDICRETE BVS1 is a light brown ready to use aqueous solution, based on organic compounds.

Fields of Use:
• ADDICRETE BVS1 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 for bridges, factories, pre-cast and prestressed concrete elements.
• To reduce consumption of cement without any loss of workability or strength.

Advantages:
• Prevents honey - combing in heavy reinforced elements.
• Is a high quality super - plasticiser with retarding effect.
• Is chloride free.
• Allows for high water reduction without any harmful side effects.
• Enables highest reduction in cement content.
• Produces self-levelling concrete and mortar.
• Minimizes shrinkage and produces concrete that is virtually non - shrink.
• Increases both early and final strengths.

Technical Data :

<table>
<thead>
<tr>
<th>Base</th>
<th>Sodium ligno sulphonate + Naphthalin sulphonate</th>
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</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Brown liquid.</td>
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<tr>
<td>Density</td>
<td>1.175 ± 0.01 kg/l</td>
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<tr>
<td>Chloride content %</td>
<td>0.05</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 BVS1 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 4% 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 BVS1 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.