Flocele™ Lost-Circulation Cement Additive

Flocele™ lost-circulation cement additive helps control lost circulation. It consists of 3/8-in or 3/4-in cellophane flakes.

Applications
Flocele additive is effective at bottomhole temperatures (BHTs) between 60°F and 260°F (16°C and 127°C). Typical additive concentrations are 1/8 to 1/2 lb/sk of cement. Flocele additive is used in lightweight to normal density slurries.

Benefits
Flocele additive can provide the following benefits:
- Provides excellent bridging properties to help seal off lost circulation zones
- Does not appreciably change the thickening time of the cement slurry
- Does not affect the compressive strength of the cement
- Does not chemically interfere with the cement slurry
- Biodegradable and environmentally safe

Technical Specifications

<table>
<thead>
<tr>
<th>Part No. (25 lb bag)</th>
<th>Form</th>
<th>Specific Gravity</th>
<th>Bulk Density</th>
<th>Shelf Life</th>
</tr>
</thead>
<tbody>
<tr>
<td>100005049</td>
<td>Colorless, solid 3/8-in flakes</td>
<td>1.440</td>
<td>15 lb/ft³</td>
<td>60 months</td>
</tr>
<tr>
<td>120021158</td>
<td>Colorless, solid 3/4-in flakes</td>
<td>1.440</td>
<td>15 lb/ft³</td>
<td>60 months</td>
</tr>
</tbody>
</table>

For more information on Flocele™ lost-circulation cement additive, please call your local Halliburton representative or email us at cementing@halliburton.com.

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