CETCO® GROUT RETARDER
BACKFILL GROUT STABILIZER

DESCRIPTION
CETCO GROUT RETARDER is a carefully formulated non chloride liquid admixture providing extended setting times to cementitious grouts. It is specifically suitable for the stabilization of backfill grouts for the tunnelling industry.

RECOMMENDED USE
Provides retardation to cement-bentonite grouts to 72 hours and beyond. The retardation length can be controlled by adjusting the dosage rate.

CHARACTERISTICS
- Reduces grout bleed and viscosity making mix easy to handle
- Provides fluid grouts minimizing risks of choking pipelines
- Mix workability assists in reducing grout bleed
- Help the pumping and application of the grout

MIXING AND APPLICATION
Typically effective inhibition is achieved with a dose rate of 2-5 L per m³ of grout. Optimum levels are determined by conducting lab trials.

PACKAGING
25 L pail, 200 L drums, and 1000 L IBC

STORAGE
CETCO GROUT RETARDER can be stored for 1 year in unopened containers stored away from direct sunlight and frost.

TYPICAL PROPERTIES

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Brown liquid</td>
</tr>
<tr>
<td>pH</td>
<td>5.0 - 8.0</td>
</tr>
<tr>
<td>(1% in de-ionized water)</td>
<td></td>
</tr>
<tr>
<td>Apparent Density</td>
<td>1.17 - 1.20 g/cm³</td>
</tr>
</tbody>
</table>