SPD FAST CURE BAKERLOK® FORMULA “C”
THREAD-LOCKING COMPOUND

FEATURES/ADVANTAGES

Withstanding High Breakout Torque. Tests under bottom hole temperatures ranging from 50° through 400° F showed Bakerlok® withstood greater torque than a standard joint welded in three places with 2 inch beads.

Unaffected by Vibration. At 400° F Bakerlok® was subjected to a steady breakout torque for 8 hours while under continuous vibration from a 6 pound air hammer. Breakout torque was increased until six times the 3,300 ft-lb makeup torque finally broke the joint.

High Lubricity. Tests were made using Bakerlok® on one side of a standard coupling and API Modified Thread Dope on the other. Identical pin threads were made up into the coupling. For the same amount of torque, the joint with Bakerlok® made up further and was cooler than the joint lubricated with standard thread dope. Bakerlok® has a .9 Friction Factor/Torque Factor.

Leak proof Seal. Joints made up with Bakerlok® using standard torque were tested with water pressures in excess of the listed burst pressure of the casing. The joint showed no leakage.

Corrosion Resistant. Five different samples of Bakerlok® covered steel and underwent a 96 hour ASTM and salt spray test. The result: no visible change in Bakerlok®; no acceleration of the normal corrosion rate on the five samples of steel.

Unaffected by Low Temperature Storage. Bakerlok® was stored at -50° F and then thawed, mixed, applied, cured and tested for breakout torque. No detrimental effects due to freezing were detected.
BAKERLOK® Number of Joints

<table>
<thead>
<tr>
<th>Casing OD (in.)</th>
<th>Each Bakerlok® Kit Will Lock</th>
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<tbody>
<tr>
<td>4-1/2.................</td>
<td>10</td>
</tr>
<tr>
<td>5-1/2......................</td>
<td>6</td>
</tr>
<tr>
<td>6-5/8 or 7..................</td>
<td>4</td>
</tr>
<tr>
<td>7-5/8, 8-5/8 or 9-5/8................</td>
<td>3</td>
</tr>
<tr>
<td>10-3/4, 11-3/4 or 13-3/8...............</td>
<td>2</td>
</tr>
<tr>
<td>16 or 20.................................</td>
<td>1</td>
</tr>
</tbody>
</table>

EMERGENCY

In case of emergency, Bakerlok® can be released by heating the joint from 500º to 600º F and applying breakout torque immediately.

Chart shows average torque required to breakout welded joints compared with joints locked with Bakerlok®. Note that the welded joint after initially breaking out, almost immediately drops down to the same torque required for unscrewing a mill coupling. Bakerlok® joint breaks out initially at a higher value than the welded join, and provides continued high resistance to turning.
APPLICATION:

For best results, the actual casing temperature during application of BAKERLOK® should be between 02 and 110° F. (-18 and 432 C.).

1. All pin and box threads should be cleaned with solvent until they are free from excessive moisture, grease and foreign matter; then rinsed with water. Any frost on threads should be removed with a wire brush.

2. Thoroughly mix the contents of large container, using a putty knife. If compound is too stiff for mixing readily, warm to 75 F. (24° C.). Shake the bottle well and add entire contents to compound. It is essential that the complete contents of both containers be mixed together.

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NOTE:
If the mildly irritant chemical in the bottle is spilled on hands, wash off with soap and water.

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3. Stir with putty knife until the mixture is completely blended and no streaks are visible.

4. Apply a thin layer of BAKERLOK® around the first two-thirds of the PIN thread only. Do not use thread dope. BAKERLOK® is an efficient lubricant.

5. Make up the joint to recommended API torque values. BAKERLOK® will attain maximum breakout strength before drilling-out operations are commenced. If bottom-hole temperature is100° F. (38° C.), maximum strength is reached in 7 to 10 hours; if temperature is 150°F. (66° C.), or higher, maximum strength is attained in 4 to 6 hours following the application of BAKERLOK®. Joints locked with BAKERLOK® can be broken out by heating the joint to 500°F. to 600°F. (260°C. to 320°C.) and immediately applying torque.

AVAILABILITY:
BAKERLOK® is available in standard 8 oz. kit size.

SHELF LIFE:
The shelf life of BAKERLOK®, provided the hermetically sealed containers have not been opened, is three (3) years.

POT LIFE:
Time periods shown are for length of time after entire contents of both containers have been mixed.

<table>
<thead>
<tr>
<th>Volume</th>
<th>At 70° F (21° C)</th>
<th>At 90° - 100° F (32° - 38° C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 Oz</td>
<td>45 Min.</td>
<td>30 Min.</td>
</tr>
<tr>
<td>1 US. Qt. or four 8 Oz kits</td>
<td>40 Min.</td>
<td>25 Min.</td>
</tr>
</tbody>
</table>

One (1) Bakerlok® kit contains:
- One (1) 8 oz per can of Bakerlok® thread-locking compound
- One (1) Hardener vial
- One (1) Applicator.