MicroBond™ expanding additive for cement is a crystalline-growth cement additive that provides low-temperature expansion.

Applications
MicroBond additive can provide adequate expansion at bottomhole temperatures (BHTs) below 170°F (76.6°C). Optimum expansion occurs at BHTs below 130°F (54°C). Required additive concentrations are 5 to 10% for lower temperatures and 10 to 20% for higher temperatures.

Features
MicroBond additive can provide increased expansion in low-strength cements, such as 50/50 Pozmix® cement blends.

At temperatures below 115°F (46°C), salt may improve the performance of MicroBond additive.

Benefits
MicroBond additive can provide the following benefits:
- It can be used with all Portland cements, regardless of their tricalcium aluminate (C,A) content.
- The Environmental Protection Agency (EPA) does not classify MicroBond additive as a hazardous waste.
- This additive has a shelf-life of up to 24 months.

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**MicroBond Expanding Additive for Cement—Product Specifications**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Specific Gravity</th>
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<tbody>
<tr>
<td>516.00226 (100003669 SAP)</td>
<td>3.200</td>
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<thead>
<tr>
<th>Form</th>
<th>Bulk Density</th>
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<tbody>
<tr>
<td>Light-pink, solid powder</td>
<td>59.40 lb/ft³</td>
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