**COMPRESSION SEAL**

**CONCRETE OPENING**

1. Use ½" for all seals.
2. Use ¾" for all seals.
3. Compute "A CONST." per equation (12) @ 40°F, 64°F, and 80°F.
4. To be checked by the designer. Shall be large enough to prevent closure under thermal movements.
5. SeeBow Section 3.3.9 and Design Example for Compression Seal Design and use "Compression Seal Table" on this sheet.

**SECTION**

**SEAL CUTTING DETAIL**

- ½" thick synthetic closed cell expanded rubber joint filler cemented to joint seal at end.
- Drill ½" hole thru seal. Make sure the top membrane is not damaged when cutting out the wedge.

**PLAN**

**EXPANSION JOINT**

**COMPRESSION SEAL TABLE**

<table>
<thead>
<tr>
<th>Seal Width</th>
<th>Seal Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>CV-3000</td>
<td>CV-4000</td>
</tr>
<tr>
<td>WA-350</td>
<td>WA-250</td>
</tr>
<tr>
<td>2½&quot;</td>
<td>3&quot;</td>
</tr>
<tr>
<td>3&quot;</td>
<td>4&quot;</td>
</tr>
</tbody>
</table>

**NOTE:**

- Compression seals greater than four inches wide should not be used.
- Designer to use appropriate details from this sheet and consult with expansion joint specialist for latest plans sheet layout, notes, and up-to-date details.

**TESTING**

- Shall be per ASTM C612 prior to use.

**COMPRESSION SEAL**

**EXPANSION JOINT DETAILS**

**COMPRESSIVE SEAL**

- Temperature of structure at time of forming expansion joint.
- Hole size depends upon compression seal used (typ.)
- Elastomeric compression seal.

**UNIT COST**

<table>
<thead>
<tr>
<th>Seal Width</th>
<th>Unit Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>CV-3000</td>
<td>$250</td>
</tr>
<tr>
<td>CV-4000</td>
<td>$300</td>
</tr>
<tr>
<td>WA-350</td>
<td>$350</td>
</tr>
<tr>
<td>WA-250</td>
<td>$250</td>
</tr>
<tr>
<td>2½&quot;</td>
<td>$50</td>
</tr>
<tr>
<td>3&quot;</td>
<td>$100</td>
</tr>
<tr>
<td>4&quot;</td>
<td>$150</td>
</tr>
</tbody>
</table>

**ELASTOMERIC COMPRESSION SEAL**

**ANGLE SIZE DEPENDS UPON COMPRESSION SEAL USED (TYP.)**

1. Use ½" for all seals.
2. Use ¾" for all seals.
3. Compute "A CONST." per equation (12) @ 40°F, 64°F, and 80°F.
4. To be checked by the designer. Shall be large enough to prevent closure under thermal movements.
5. See Bow Section 3.3.9 and Design Example for Compression Seal Design and use "Compression Seal Table" on this sheet.

**NOTE:**

- Designer to use appropriate details from this sheet and consult with expansion joint specialist for latest plans sheet layout, notes, and up-to-date details.

**TESTING**

- Shall be per ASTM C612 prior to use.