Expansion Joint Systems

**DSB 1520**

**Lubricant Adhesive**

**SECTION I - Product Description**

DSB 1520 Lubricant Adhesive is a single component, moisture curing polyurethane in a solution of aromatic hydrocarbon solvents. It is used as an adhesive lubricant and bonding agent for compression seals in concrete pavement, concrete bridge expansion joints and steel bridge expansion joints.

**SECTION II - Uses**

- Provides lubrication of compression seals for insertion into concrete pavement, concrete bridge expansion joints and steel bridge expansion joints
- Bonds the compression seals into the joint
- Lubricant and adhesive for larger preformed, elastomeric compression seals

**SECTION III - Advantages**

- Lubricants and bonds in one labor saving step
- Excellent elongation and tensile strengths
- May be applied down to 40°F/4°C.
- Outstanding resistance to extreme environmental conditions

**SECTION IV - Estimating Guide**

Application rate of DSB 1520 Lubricant Adhesive will vary with the size of the seals. Consult the seal manufacturer for an application rate with the particular seal you are using. Typical coverage:

- 150-226 linear feet of seal per gallon
- 12-18 linear meters per liter

**SECTION V - Packaging**

DSB 1520 Lubricant Adhesive is available in 1 U.S. gallon/3.8 liter pails and 5 U.S. gallon/18.9 liter pails, shipped 36 per pallet shrink wrapped.

**SECTION VI - Technical Data**

- DSB 1520 Lubricant Adhesive exceeds the requirements of ASTMD-4070, Standard Specification for Adhesive Lubricant for Installation of Preformed Elastomeric Bridge Compression Seals in Concrete and Steel Structures.
- Drying Time: Complies with the requirements of ASTM D-4070 with a working time of approximately 2 hours at 70°F/21°C

<table>
<thead>
<tr>
<th>Property</th>
<th>Test Method</th>
<th>Criteria</th>
</tr>
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<tbody>
<tr>
<td>Solids</td>
<td></td>
<td>72%</td>
</tr>
<tr>
<td>Flash Point</td>
<td></td>
<td>&gt;141°F / &gt;60°C</td>
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<tr>
<td>Weight</td>
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<td>10.1 lbs/gal</td>
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<tr>
<td></td>
<td></td>
<td>1.2 Kg/L</td>
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<tr>
<td>Minimum Application</td>
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<td>40°F / 4°C</td>
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<tr>
<td>Temperature</td>
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<tr>
<td>Tensile Strength</td>
<td>ASTM D412</td>
<td>1590psi/11 MPa</td>
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<tr>
<td>Elongation</td>
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<tr>
<td>Peel Strength</td>
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<tr>
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<td></td>
<td>1000 gm load</td>
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<tr>
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SECTION VII - Directions
Be sure the joint is clean and dry. DSB 1520 Lubricant Adhesive should be applied liberally to the compression seal or to the pavement joint prior to inserting the seal into the joint. Apply by hand or machine. Wear gloves while handling. The rate of application will depend upon the design of the compression seal. The seal must be inserted into the joint immediately following the application of the DSB 1520 Lubricant Adhesive.

The directions and recommended application rate of the compression seal manufacturer take precedence over these directions where the two are in conflict.

SECTION VIII - Cleanup
Tools and equipment used in the application of DSB 1520 Lubricant Adhesive should be cleaned with toluene, xylene or a blend of the two. Clean hands with soap and water.

SECTION IX - Storage
Store tightly sealed containers in cool, dry area away from direct sunlight or sources of heat. Shelf life of properly sorted material is one year from date of manufacture.

SECTION X - Limitations
- Do not allow to freeze. Condition material to 70°F/21°C prior to application.
- Application guidelines for the compression seals supersede these directions.
- DSB 1520 Lubricant Adhesive in containers that have been opened must be used the same day. Unused material cannot be saved, even if the container is tightly resealed, as the product is moisture-reactive and will gel when exposed to air.

SECTION XI - Caution
Flammable Liquid: Keep away from heat or open flames. Use with adequate ventilation. May cause skin, eye or respiratory tract irritation. Do not take internally. Keep out of reach of children.

SECTION VI - Additional Information
Visit our website at: www.dsbrown.com

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NOTE
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