

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
- Used to install glands on strip seals and modular joints

**DSB 1520 Coverage**

Compression Seal Size – nominal	Coverage per Gallon	
1-1/4" to 2-1/4"	200 – 250 LF	61 – 76 LM
2-1/2" to 3"	150 – 200 LF	46 – 61 LM
3-1/2" to 4-1/2"	125 – 150 LF	38 – 46 LM
5" to 6"	100 – 125 LF	30 – 38 LM
All Glands for Strip Seals	150 LF	46 LM

**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.



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**SECTION VI - Technical Data**

- DSB 1520 Lubricant Adhesive exceeds the requirements of ASTM D-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

Property	Test Method	Criteria
Solids		72%
Flash Point		>141°F >60°C
Weight		10.1 lbs/gal 1.2 Kg/L
Minimum Application Temperature		40°F 4°C
Tensile Strength	ASTM D412	1590psi/11 MPa
Elongation	ASTM D412	620%
Peel Strength	ASTM D4070	500 gm load none peeled  1000 gm load none peeled

**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**

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