

## Iso-Flex® Compression Seal Expansion Joint System

### PRODUCT DESCRIPTION

The Iso-Flex Compression Seal Expansion Joint System is an extruded, Santoprene thermoplastic rubber material. When compressed into place this system provides an excellent seal against the intrusion of moisture and debris into an expansion joint gap.

### BASIC USES

The Iso-Flex Compression Seal Expansion Joint System is used to seal most types of small movement expansion joints, both vertical and horizontal in parking structures, stadiums, plazas, and other types of concrete structures.

### ADVANTAGES

- The seal is compressed into place using our Iso-Flex Lube Adhesive.
- The seal provides a relatively flat profile surface that reduces tripping hazards and the collection of debris in the joint.
- The compartmentalized nature of the "C" seal provides secondary protection against leakage if the seal is punctured at the surface.

### LIMITATIONS

- Performance of the Iso-Flex Compression Seal Expansion Joint System is closely tied to the structural behavior of the expansion joint. Maintaining close tolerances is essential to the success of the expansion joint system, and this system should only be used in areas where small movements are expected.

### INSTALLATION

**Preliminary:** Joint openings to receive the Iso-Flex Compression Seal Expansion Joint System must be clean, dry, sound, relatively smooth and free of voids, ridges, and sharp projections.

**Preparation:** The expansion joint seals must be properly sized for the joint gap opening.

**Installation:** The Iso-Flex Compression Seal Expansion Joint System is installed by first applying a thin layer of Iso-Flex Lube Adhesive to the side walls of the expansion joint gap. Then, the seal is compressed into the joint gap opening.

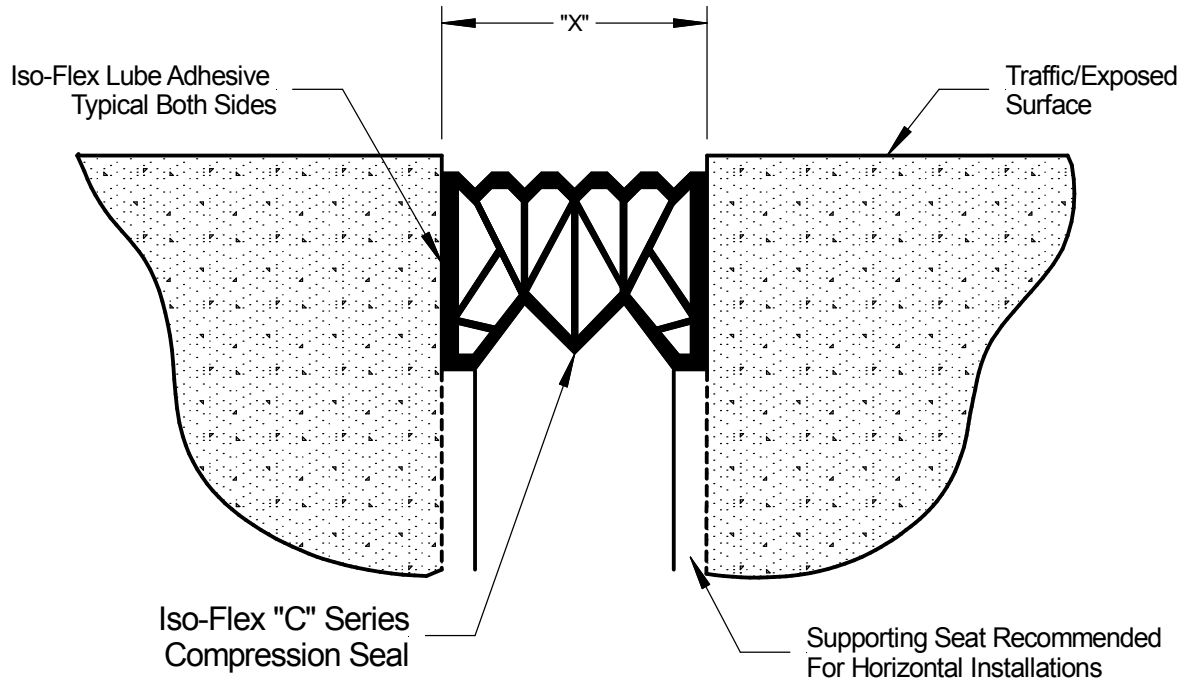
### PRECAUTIONS

To ensure safe installation of the Iso-Flex Compression Seal Expansion Joint System, please refer to the Material Safety Data Sheets (MSDS) that accompany each product shipment.

### WARRANTY

LymTal warrants that its products are manufactured free of defects and conform to the technical data listed. Under this warranty we will replace, at no charge, any material proven defective when applied in accordance with our written instructions for applications recommended by us as suitable for subject product. LymTal shall not be liable for any injury, loss or damage, direct or consequential, arising out of the use of the product.

ISO-FLEX SANTOPRENE SEAL "C"System Technical Data From Laboratory Tests (Field Properties May Vary)		
Property	Test Method	Test Results
Material		Thermoplastic Rubber
Hardness	ASTM D2240	64A ± 3
Specific Gravity	ASTM D297	.97 ± 2
Tensile Strength	ASTM D412	1000 psi
Ultimate Elongation	ASTM D412	400%
Brittle Point	ASTM D746	-76%
High Temp. Recovery (70 hours @ 212°F)	—	82%



SEAL TYPE	MOVEMENT RANGE	JOINT OPENING SIZE (X)		BLOCKOUT DEPTH	INSTALLATION WIDTH	
		Minimum (x)	Maximum (x)		Mid-Range	Maximum
<b>C23</b>	<b>1.250</b>	<b>0.750</b>	<b>2.000</b>	<b>1.875</b>	<b>1.250</b>	<b>2.000</b>
	<i>31.750</i>	<i>19.050</i>	<i>50.800</i>	<i>47.625</i>	<i>31.750</i>	<i>50.800</i>
<b>C30</b>	<b>1.125</b>	<b>1.438</b>	<b>2.563</b>	<b>2.375</b>	<b>2.000</b>	<b>2.563</b>
	<i>28.575</i>	<i>36.525</i>	<i>65.100</i>	<i>60.325</i>	<i>50.800</i>	<i>65.100</i>
<b>C40</b>	<b>2.000</b>	<b>1.500</b>	<b>3.500</b>	<b>3.250</b>	<b>2.500</b>	<b>3.500</b>
	<i>50.800</i>	<i>38.100</i>	<i>88.900</i>	<i>82.550</i>	<i>63.500</i>	<i>88.900</i>
<b>C50</b>	<b>2.500</b>	<b>1.750</b>	<b>4.250</b>	<b>3.750</b>	<b>3.000</b>	<b>4.250</b>
	<i>63.500</i>	<i>44.450</i>	<i>107.950</i>	<i>95.250</i>	<i>76.200</i>	<i>107.950</i>
<b>C60</b>	<b>3.000</b>	<b>2.000</b>	<b>5.000</b>	<b>4.500</b>	<b>3.500</b>	<b>5.000</b>
	<i>76.200</i>	<i>50.800</i>	<i>127.001</i>	<i>114.300</i>	<i>88.900</i>	<i>127.001</i>

Revised: 12/08

**Chart Notes:**

1. All bolded dimensions are in inches.
2. Italicized figures represent millimeters.
3. Installation "Mid-Range" represents the recommended minimum installation width as well as the mid-range of the total movement cycle (X).
4. The "Blockout Depth" represents the necessary depth to accommodate the seal at full compression.

**LymTal International, Inc.**

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