

Iso-Flex CapSpan

Steel Reinforced Elastomeric Safety Cover for Expansion Joint Openings

PRODUCT OVERVIEW

Iso-Flex CapSpan is a next generation hinged, steel reinforced elastomeric cover system that is ADA Compliant. The system is intended to bridge over expansion joints or structural separations in pedestrian and slow speed vehicular traffic applications. Iso-Flex CapSpan helps reduce potential tripping hazards by providing a skid resistant, smooth, and safe transition over structural separations. Ideal applications include parking garages, plaza decks, stadium concourses, airports, and other locations that require a smooth transition over expansion joints.

PRODUCT ADVANTAGES

- Designed with a integral rubber hinges to allow for vertical displacement.
- The molded rubber encapsulated steel plates dramatically reduces sound impact.
- Fast and easy installation.
- Provides adequate load carrying ability for low speed vehicular traffic.

DESCRIPTION

Iso-Flex CapSpan is a steel reinforced elastomeric cover system utilizing an EPDM elastomer. The cover plate system provides a pedestrian friendly, slip resistant transition over expansion joint openings, expansion joint systems and other types of structural separations, dramatically reducing potential tripping hazards. Tongue and groove connectors allow for easy transitions between panel sections.

INSTALLATION

Preparatory Work: Surfaces must be level, sound, and free from protrusions, divots, spalls, and other foreign material that would prevent proper attachment of the cover system and anchorage hardware. Ensure that the pertinent dimensions are within the tolerances specified for the Iso-Flex CapSpan System.

To Install: Grind and smooth the concrete surface prior to installation. The two opposing surfaces that the system panels will rest on should be free of protrusions. (See complete Installation Procedures)

PHYSICAL CHARACTERISTICS

Length, feet	5 or 6 ft/panel
Tensile Strength, min PSI	1500
Elongation, Ultimate, min %	350
Hardness, Shore A	60 +/- 5
Heat Resistance (70 hrs@ 212° F)	
Tensile Strength, max	25%
Elongation, max	25%
Hardness, max	10 pt
Oil Resistance (70 hrs@ 212° F)	
Volume, max	120%
Ozone Resistance	
50 pphm for 72 hours @ 104° F	100 rating
Compression Set	
22 hrs @ 212° F, max	50%

TECHNICAL SERVICES

Analysis of particular project requirements and recommendations for the proper use of CapSpan are available from the manufacturer and local representatives. Call 248-373-8100 or fax your detail to 248-373-3480.

WARRANTY:

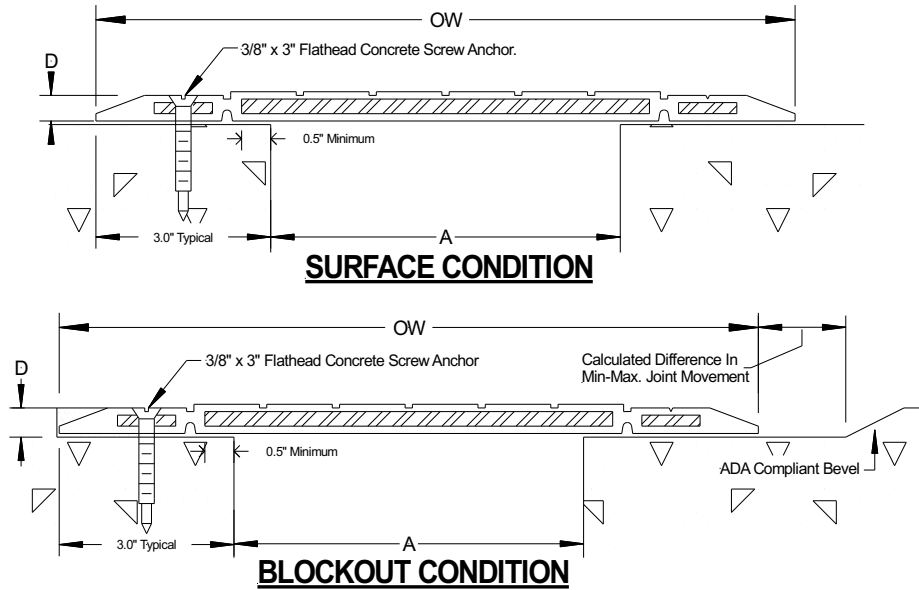
LymTal warrants that its products are manufactured free of defects and conform to the technical data listed. Under this warranty we will replace, at no charge, any material proven defective when applied in accordance with our written instructions for applications recommended by us as suitable for subject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

Iso-Flex CapSpan is designed to accommodate pedestrian and light load, slow moving vehicular traffic. The SC180HD system is capable of accommodating a +/-1/2" vertical displacement. For structures experiencing live load vertical displacement, the use of load transfer devices are recommended.

SHORT FORM SPECIFICATION:

Cover plate system shall be Iso-Flex CapSpan as manufactured by LymTal International, Inc., 4150 S. Lapeer Rd., Lake Orion, MI, 48359. The system shall be a steel reinforced elastomeric, hinged cover system. The manufacturer shall furnish a Certificate of Compliance with these requirements.

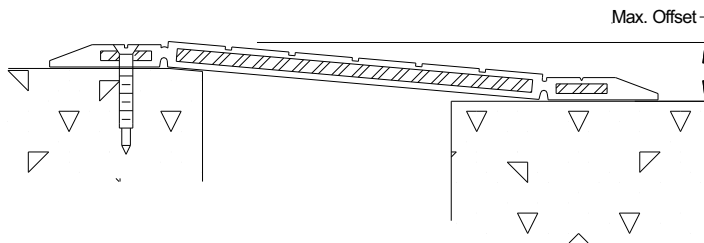
Rev. 4/23C



DIMENSIONAL & MOVEMENT CAPABILITIES CHART

MODEL	OVERALL WIDTH (OW)	SYSTEM DEPTH	NOMINAL	MAXIMUM (A)	
			WIDTH (A)	TYPICAL	SEISMIC
CS120	12.000	0.500	3.000	6.000	7.000
	<i>304.801</i>	<i>12.700</i>	<i>76.200</i>	<i>152.401</i>	<i>177.801</i>
CS180	18.000	0.500	5.000	10.000	11.000
	<i>457.202</i>	<i>12.700</i>	<i>127.001</i>	<i>254.001</i>	<i>279.401</i>
CS180HD	18.000	0.750	6.000	12.000	13.000
	<i>457.202</i>	<i>19.050</i>	<i>152.401</i>	<i>304.801</i>	<i>330.201</i>

Bold dimensions in inches and italics in millimeters



OFFSET CONDITION

LymTal International, Inc.

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