

Iso-Flex® Steel Strip Seal Expansion Joint System

PRODUCT DESCRIPTION

The Iso-Flex Steel Strip Seal Expansion Joint System is an extruded, elastomeric rubber material that mechanically locks, and is bonded, into a steel retainer. When properly installed, this system provides an excellent barrier against the intrusion of moisture and debris into an expansion joint gap.

BASIC USES

The Iso-Flex Steel Strip Seal Expansion Joint System is used to seal expansion joints located in heavy, high volume, high-speed traffic areas in parking structures, stadiums, and other types of concrete structures.

ADVANTAGES

- The seal is mechanically locked and bonded into a steel retainer to form a barrier against the intrusion of water and debris.
- The Iso-Flex Steel Strip Seal Expansion Joint System can be fabricated to accommodate any type of angle, such as skews, sidewalks, parapets and medians while still maintaining its water tight integrity.
- The system can accommodate movement ranges up to 3".
- Unique design allows for easy installation of the seal element.
- The Iso-Flex Steel Strip Seal Expansion Joint System can incorporate the Iso-Flex 900 Elastomeric Concrete Header System where necessary.

LABORATORY TECHNICAL DATA

(Field Properties May Vary)

Property	Test Method	Seal	Iso-Flex 900
Tensile Strength	ASTM D412	1010 psi	1680 psi
Elongation @ break	ASTM D412	450%	240% min
Tear Strength	ASTM D624	138 psi	195 lbs/inch
Brittle Point, °F	ASTM D746	-76	_____
Compression Set 168 hrs. @ 73°F	ASTM D395	23%	_____
Compression Set 168 hrs. @ 212°F	ASTM D395	32%	_____
Hardness	Shore A	65A	80± 3
Compress. Strength 5% deflection Resilience, %	ASTM D695	_____	1442 psi min. 96% min.
Adhesion Properties Bond to concrete		_____	422 psi min.
Ozone Resistance	ASTM D1149	No Cracks	No Cracks
Water Absorption	ASTM D570	_____	2%
U.V. Resistance	_____	Excellent	Excellent

INSTALLATION

Preliminary: Protect all expansion joint component parts from damage during placement of concrete and work in adjacent areas.

Preparation: The expansion joint seals must be properly sized for the joint gap opening. The joint systems must be set to the proper width for the ambient temperature at the time of installation. Properly align all steel extrusions and shapes prior to field welding operations to ensure proper joint performance and watertightness.

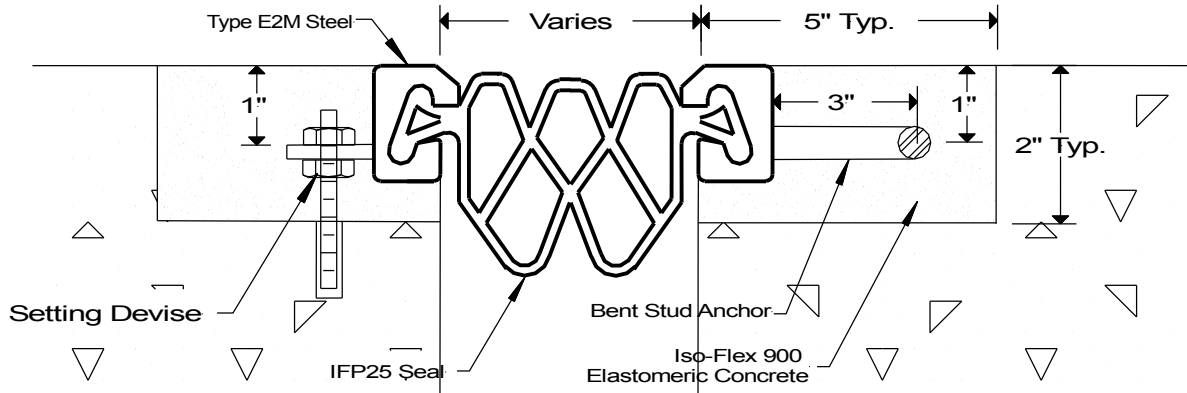
Installation: The Iso-Flex Strip Seal Expansion Joint System shall be installed in strict accordance with the manufacturer's typical details.

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

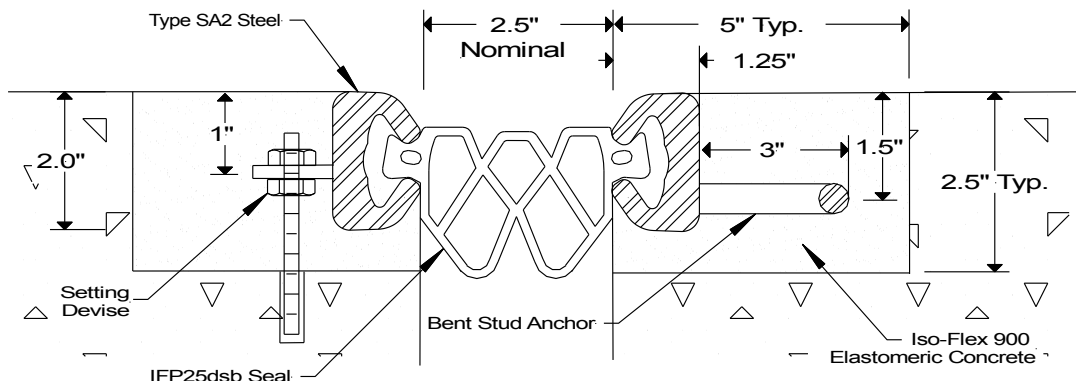
listed. Under this warranty we will replace, at no charge, any material proven defective when applied in accordance with our written instructions for applications recommended by us as suitable for subject product. LymTal shall not be liable for any injury, loss or damage, direct or consequential, arising out of the use of the product.

WARRANTY

LymTal warrants that its products are manufactured free of defects and conform to the technical data



NORMAL DUTY



HEAVY DUTY

SEAL TYPE	MOVEMENT RANGE	JOINT OPENING SIZE	
		Minimum	Maximum
IFP25	3.000	1.000	4.000
	76.200	25.400	101.600

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LymTal International, Inc.

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