

Iso-Flex® Foamflux Expansion Joint Sealing System

PRODUCT DESCRIPTION

Iso-Flex Foamflux Expansion Joint Sealing System is an extruded closed cell, neoprene foam rubber seal. When compressed and epoxied into place with Iso-Flex Epoxy Bonding Adhesive, this system provides an excellent seal against the intrusion of moisture and debris into an expansion joint gap.

BASIC USES

The Iso-Flex Foamflux Expansion Joint Sealing System is used to seal most types of expansion joints in bridges, parking structures, stadiums, plazas, and other types of concrete structures.

ADVANTAGES

- The seal is bonded into place using a thixotropic epoxy paste that provides a continuous watertight anchoring system.
- 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 “F” seal provides secondary protection against leakage if the seal is punctured at the surface.

LIMITATIONS

- Performance of the Iso-Flex Foamflux Expansion Joint Sealing System is closely tied to preparation and installation techniques as well as 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 Foamflux Expansion Joint Sealing System must be clean, dry, sound, relatively smooth and free of voids, ridges, and sharp projections. The expansion joint gaps must also be properly sized.

SEAL		
Technical Data From Laboratory Tests		
(Field Properties May Vary)		
Property	Test Method	Test Results
Tensile Strength	ASMT D412	125 psi
Elongation @ break	ASTM D412	200% min
Hardness (Shore A Durometer)	—	35-65
Compression Set (70 hours @ 212°F)	ASTM D395	40% max
Compression Deflection	ASTM D1056	5-9 psi
Water Absorption (by weight)	ASTM D1056	5%
Density (pcf) Average	ASTM D1056	12-25
U.V Resistance	—	Excellent

ADHESIVE		
Technical Data From Laboratory Tests		
(Field Properties May Vary)		
Property	Test Method	Test Results
Tensile Strength	ASTM D412	4000 psi
Compressive Strength	—	8000 psi
Solids Hardness	—	5 MOHS
Pot Life	—	60 minutes @ 68°F (20°C)
Flash Point	—	Greater than 200°F (93°C)
Initial Cure	—	24 hours
Final Cure	—	7 days @ 68°F

Preparation: The joint openings must be sandblasted just prior to application of the Iso-Flex adhesive.

PRECAUTIONS

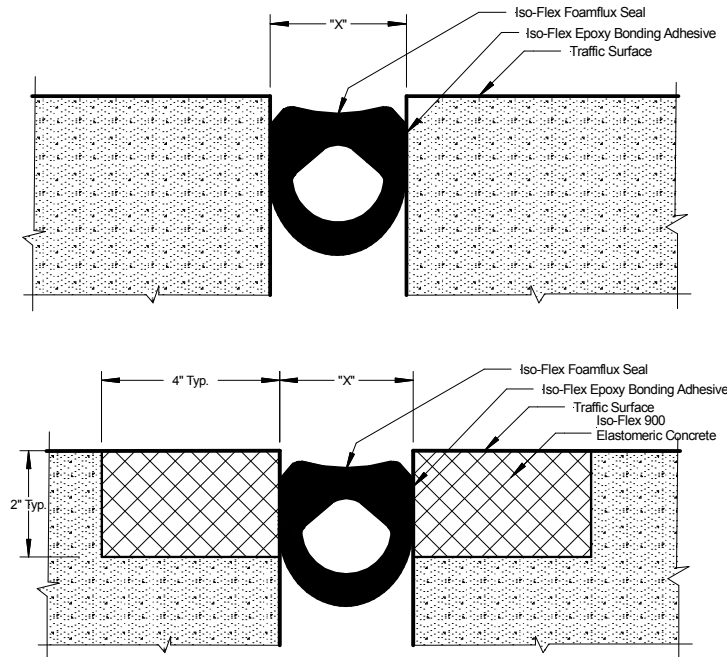
To ensure safe installation of the Iso-Flex Foamflux, please refer to the Material Safety Data Sheets (MSDS) that accompany each product shipment.

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 listed. Under this warranty we will replace, at no charge, any material proven defective when applied

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SEAL TYPE	MOVEMENT RANGE	JOINT OPENING SIZE (X)		INSTALLATION WIDTH		
		Minimum (x)	Maximum (x)	Minimum	Mid-Range	Maximum
F10	0.850	0.400	1.250	0.750	0.825	1.000
	<i>21.590</i>	<i>10.160</i>	<i>31.750</i>	<i>19.050</i>	<i>20.955</i>	<i>25.400</i>
F15	1.250	0.625	1.875	1.125	1.250	1.500
	<i>31.750</i>	<i>15.875</i>	<i>47.625</i>	<i>28.575</i>	<i>31.750</i>	<i>38.100</i>
F20	1.700	0.800	2.500	1.500	1.650	2.000
	<i>43.180</i>	<i>20.320</i>	<i>63.500</i>	<i>38.100</i>	<i>41.910</i>	<i>50.800</i>
F25	2.000	1.025	3.025	1.875	2.025	2.500
	<i>50.800</i>	<i>26.035</i>	<i>76.835</i>	<i>47.625</i>	<i>51.435</i>	<i>63.500</i>
F30	2.400	1.250	3.650	2.250	2.450	3.000
	<i>60.960</i>	<i>31.750</i>	<i>92.710</i>	<i>57.150</i>	<i>62.230</i>	<i>76.200</i>
F40	3.250	1.650	4.900	3.000	3.275	4.000
	<i>82.550</i>	<i>41.910</i>	<i>124.460</i>	<i>76.200</i>	<i>83.185</i>	<i>101.600</i>

Notes:

1. All bolded dimensions are in inches
2. Italicized figures represent millimeters.
3. Installation Width "Mid-Range" represents mid-range of the total movement cycle (x).
4. The "F" type seal installation recess depth will vary by seal size and temperature experienced during placement. Contact the manufacturer for assistance when calculating the recess.

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