

Iso-Flex SILFAST XL

Expansion Joint Sealing System

PRODUCT OVERVIEW

Iso-Flex SILFAST XL is a revolutionary, silicone faced, polymer impregnated foam expansion joint seal that is supplied in "Xtra Long" piece lengths compared to other products on the market. It is used to fill horizontal and vertical control joints, expansion joints, pressure relief joints, abutment joints, and joints in jersey barriers. SILFAST XL has a broad range of applications allowing it to seal against weather, moisture, vapor, air, sound and dust. The internal recovery force allows it to function in stationary and movement joints between similar and dissimilar materials in a wide range of temperatures. SILFAST XL adjusts to variations of contour of materials forming the joint, provided such changes are not too abrupt. The full width of seal must remain under compression in order to provide for a watertight seal. SILFAST XL uses a traffic grade silicone surface coating thus it is resistant to gasoline, diesel fuel, solvents, salts, and acids. Contact manufacturer for specific chemical resistance requirements.

PRODUCT ADVANTAGES

- Supplied in Xtra Long 39' lengths, which dramatically reduces splice locations
- Designed to meet the requirements of horizontal and vertical applications
- Allows +50/-50% joint movement (based on midrange installation width)
- Remains watertight to 100% movement (based on midrange installation width)
- Factory applied traffic grade silicone

LIMITATIONS

- Installation range is -10°F to 95°F
- Store material at room temperature
- Store material in a dry area out of direct sunlight
- Do not install in wet conditions

DESCRIPTION

SILFAST XL is composed of polyurethane, micro-cell foam impregnated with an advanced acrylic formula compound that is UV stable and chemically resistant. SILFAST XL is factory coated with a traffic grade silicone facing. Working under it's own constant internal pressure, the system is exceptionally resilient and will expand and contract with the movement of the joint under any weather condition. Iso-Flex SILFAST XL is supplied in lengths up to 39 feet to minimize splices and to dramatically speed up the installation process.

INSTALLATION

Surfaces to be sealed must be sound, dry, clean and free of oil, grease, laitance, rust and other foreign material that would prevent proper adhesion. Bonding surfaces should be sandblasted or abraded with mechanical grinders. SILFAST XL is bonded in place using a combination of a specially developed epoxy adhesive combined with a cross-linking wet silicone adhesive material. Complete installation information is available from LymTal International, Inc.

SHORT FORM SPECIFICATION:

Seal shall be SILFAST XL as manufactured by LymTal International, Inc., 4150 S. Lapeer Rd., Lake Orion, MI, 48359. Seal shall be high density, open micro-cell polyurethane foam impregnated with an advanced acrylic formula compound, with traffic grade silicone facing that meets ASTM 518, ASTM 283, and DIN 18542.

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.

LymTal International, Inc.

4150 South Lapeer Road • Lake Orion, MI 48359 • Tel (248) 373-8100 • Fax (248) 373-3480 • www.lymtal.com

TECHNICAL SERVICES

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

PHYSICAL CHARACTERISTICS

Foam Seal

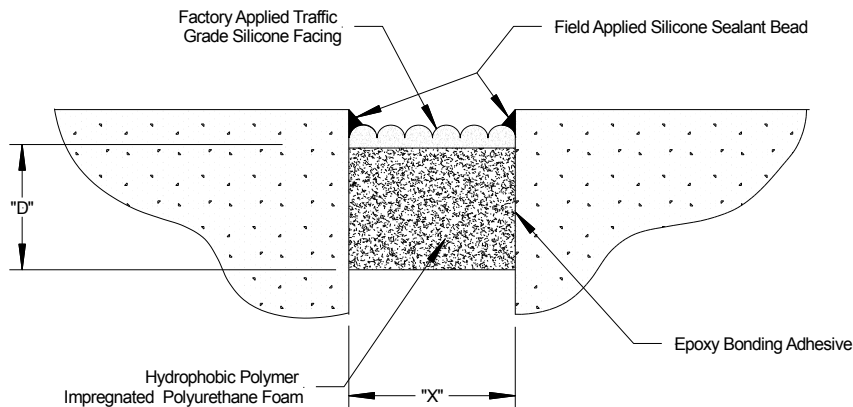
Thermal Conductivity 0.05W/m. °C
 Thermal Resistance ASTM C518, 3.3, hr-°F-ft²/Btu
 Temp. Stability Range -40°F to 185°
 Staining/Bleeding None at 180° F at -25%
 Tensile Strength ASTM 3574, 22.3 psi min

Elongation ASTM 3574, 157%
 Resistance to Compression Set ASTM 3574 Max 2.5%
 Mildew Resistance Excellent
 UV Resistance Excellent
 Staining None -40 to 185° F
 Flash Point 590°F

Silicone

Color Gray
 Durometer Hardness, Shore A 15-25
 Elongation, Min 1200%
 Specific Gravity 1.450-1.515
 Cure Time at 25°C(77°F) 7-14 Days

Product	"X"	"D"	Packaging
SFXL050	1/2	1 1/2	39 Ft. Roll
SFXL062	5/8	1 1/2	39 Ft. Roll
SFXL075	3/4	1 1/2	39 Ft. Roll
SFXL100	1	2	39 Ft. Roll
SFXL125	1 1/4	2	39 Ft. Roll
SFXL150	1 1/2	2	39 Ft. Roll
SFXL175	1 3/4	2	39 Ft. Roll
SFXL200	2	3	39 Ft. Roll
SFXL225	2 1/4	3	39 Ft. Roll
SFXL250	2 1/2	3	39 Ft. Roll
SFXL275	2 3/4	3	39 Ft. Roll
SFXL300	3	3	39 Ft. Roll
SFXL325	3 1/4	3	39 Ft. Roll
SFXL350	3 1/2	3	39 Ft. Roll
SFXL375	3 3/4	4	39 Ft. Roll
SFXL400	4	4	39 Ft. Roll



LymTal International, Inc.