

PRODUCT DATA SHEET

Sikaflex®-15 LM

High-performance, low-modulus elastomeric sealant

PRODUCT DESCRIPTION

Sikaflex®-15 LM is a low-modulus, high-performance, 1-component, polyurethane-based, non-sag elastomeric sealant.

WHERE TO USE

Typical applications include:

- Joints in concrete panel and wall systems, around window and door frames, reglets, flashing, common roofing detail applications, etc.
- Moving joints in vertical applications.
- Exterior Insulation Finish Systems (EIFS)
- High-rise and facade applications where high movement capability is required.
- 2- and 3-hour UL Fire Rated Joint System Nos. FF-S-0007, FF-S-0037, FW-S-0015, FW-S-0018, HW-S-0076, HW-S-0095, WW-S-0011 and WW-S-0060

CHARACTERISTICS / ADVANTAGES

- Low modulus of elasticity
- Easy and ready to use
- Eliminates time, effort, waste, and equipment clean-up
- High elasticity – cures to a tough, durable, flexible consistency with exceptional cut and tear resistance
- Stress relaxation
- Very good adhesion – bonds to most construction materials without primer
- Suitable for use between similar as well as dissimilar materials.
- Very good resistance to weathering
- Proven in tough climates around the world
- Urethane-based, suggested by EPA for radon reduction
- Can be painted
- Jet fuel resistant
- Proven in tough climates around the world
- Non-leaching
- Movement capability of +100 / -50 % (ASTM C719)

ENVIRONMENTAL INFORMATION

Contributes towards satisfying LEED® – EQ/MR Credit: Low-Emitting Materials

APPROVALS / CERTIFICATES

- Meets Federal Specification TT-S-00230C, Type II, Class A; ASTM C-920, Type S, Grade NS, Class 100/50, use T, NT, G, A, O, M
- Meets Federal Specification for silicones - TT-S-001543 A, Type non-sag
- Tested in accordance with ASTM C1382 for use in EIFS systems

PRODUCT INFORMATION

Packaging	300 mL (10.1 fl. oz) cartridge - 24/case 590 mL (20 fl. oz) sausage - 20/case
Colour	White, Aluminum Grey, Limestone, Black, Dark Bronze, Capitol Tan, Off-White. Special colours on request (min. volume)
Shelf Life	Cartridge: 15 months in original, unopened packaging Sausage: 18 months in original, unopened packaging
Storage Conditions	Store in dry conditions, protected from direct sunlight and at temperatures between 4 °C and 35 °C (40 °F and 95 °F). Condition material to 18 °C – 24 °C (65 °F – 75 °F) before use.

SUSTAINABILITY INFORMATION

TECHNICAL INFORMATION

Shore A Hardness	~25 (after 21 days) ~25 (after 28 days)	(ASTM C661) (ISO 868)												
Elongation at Break	~700 %	(ASTM D412)												
Elastic Recovery	>80 %													
Movement Capability	+100 / -50 %	(ASTM C719)												
Chemical Resistance	Good resistance to water, diluted acids, and diluted alkalines. Not normally designed for fully immersed conditions. Contact Sika Canada Technical Service for specific data.													
Resistance to Weathering	0 (no cracks)	(ASTM C793)												
Service Temperature	-40 °C to 77 °C (-40 °F / +170 °F)													
Adhesion in Peel	<table> <tr> <th>Substrate</th><th>Peel Strength</th><th>Adhesion loss</th></tr> <tr> <td>Aluminium</td><td>11.4 kg (25 lb)</td><td>0 %</td></tr> <tr> <td>Concrete</td><td>13.6 kg (30 lb)</td><td>0 %</td></tr> <tr> <td>Glass</td><td>11.4 kg (25 lb)</td><td>0 %</td></tr> </table>	Substrate	Peel Strength	Adhesion loss	Aluminium	11.4 kg (25 lb)	0 %	Concrete	13.6 kg (30 lb)	0 %	Glass	11.4 kg (25 lb)	0 %	(ASTM C794)
Substrate	Peel Strength	Adhesion loss												
Aluminium	11.4 kg (25 lb)	0 %												
Concrete	13.6 kg (30 lb)	0 %												
Glass	11.4 kg (25 lb)	0 %												
Tensile Stress at Specified Elongation	~345 kPa (50 psi) at 100 % elongation	(ASTM D412)												

APPLICATION INFORMATION

Consumption

300 mL (10.1 oz) Cartridge: ~Yield in Linear Feet

Width	Depth	Depth	Depth
	6 mm (¼ in)	9.5 mm (3/8 in)	13 mm (½ in)
6 mm (¼ in)	24.3		
9.5 mm (3/8 in)	16.2	10.8	
13 mm (½ in)	12.1	8.1	6.1
19 mm (¾ in)	8.1	5.4	4.0
25 mm (1 in)			3.0
30 mm (1¼ in)			2.4
38 mm (1½ in)			2.

590 mL (20 oz) Cartridge: ~Yield in Linear Feet

Width	Depth	Depth	Depth
	6 mm (¼ in)	9.5 mm (3/8 in)	13 mm (½ in)
6 mm (¼ in)	48.1		
9.5 mm (3/8 in)	32.1	21.4	
13 mm (½ in)	24.1	16.0	12.0
19 mm (¾ in)	16.0	10.7	8.0
25 mm (1 in)			6.0
30 mm (1¼ in)			4.8
38 mm (1½ in)			4.0

Ambient Air Temperature

Minimum: 4 °C (40 °F) / Maximum: 38 °C (100 °F)

Note: Sealants should be installed when substrates are at mid-range of their anticipated movement. Temperature must be at least 3 °C (5 °F) above the dew point

Substrate Temperature

Minimum: 4 °C (40 °F) / Maximum: 38 °C (100 °F)

Note: Sealants should be installed when substrates are at mid-range of their anticipated movement.

Curing Time

- **Tack-free time:** 2 to 6 hours (TT-S-00230C)
- **Tack-free (to touch):** 3 hours
- **Final cure:** 7 to 10 days

BASIS OF PRODUCT DATA

Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods.

LIMITATIONS

- Only apply Sikaflex®-15 LM to clean, sound, dry, and frost-free substrates
- Allow one (1) week cure at standard conditions when using Sikaflex®-15 LM in total water immersion situations and prior to painting
- Maximum depth of sealant must not exceed 13 mm (1/2 in); minimum depth is 6 mm (1/4 in)
- Do not cure in the presence of curing silicone sealants
- Avoid contact with alcohol, and other solvent cleaners, during cure
- When overcoating, an on site test is recommended to determine compatibility
- Do not apply when moisture-vapour-transmission condition exists from the substrate, as this can cause bubbling within the sealant
- Use opened cartridges and uni-pac sausages the same day
- When applying sealant, avoid air-entrapment
- Since Sikaflex®-15 LM is moisture-cured, allow sufficient exposure to air
- White colour tends to yellow slightly when exposed to ultraviolet rays
- Light colours can yellow if exposed to direct gas fired

heating elements

- The ultimate performance of Sikaflex®-15 LM depends on good joint design and proper application. With joint surfaces properly prepared and sealed, movement of +100 % / -50 % can be tolerated
- Do not use in contact with bituminous/asphaltic materials
- Joint sealant needs to be recessed in properly designed traffic bearing joint

ENVIRONMENT, HEALTH & SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS**SUBSTRATE QUALITY**

Joint walls must be structurally sound, clean, dry, frost-free, and free of oil and grease.

SUBSTRATE PREPARATION

Clean all surfaces. Curing compound residues and any other foreign matters must be thoroughly removed. A roughened surface will also enhance bond. Mechanical preparation is best. Install bond breaker tape or backer rod to prevent bond at base of joint.

Product Data Sheet

Sikaflex®-15 LM

August 2026, Version 01.01

020511010000000056

BUILDING TRUST
CONSTRUIRE LA CONFIANCE



APPLICATION METHOD / TOOLS

Priming

Priming is typically not necessary. Most substrates only require priming if, for example, testing indicates a need to use a primer due to excessively porous substrate. Consult Sikaflex® Primer Technical Data Sheet or contact Sika Canada Technical Service for complete information with regard to primer requirements.

Note: Most Exterior Insulation Finish Systems (EIFS) manufacturers recommend the use of a primer. When EIFS manufacturer specifies a primer or if on-site bond testing indicates a primer is necessary, Sikaflex®-429 Primer is recommended. On-site adhesion testing is recommended with final system prior to the start of a job.

Recommended application temperatures

4 °C – 38 °C (40 °F – 100 °F). For cold-weather applications, pre-conditioning units to approximately 21 °C (70 °F) is recommended.

Sikaflex®-15 LM should be applied into joints when joint slot is at mid-point of its designed expansion and contraction. Place nozzle of gun into bottom of the joint filling entire joint. Keep nozzle in the sealant, and continue on with a steady flow of sealant preceding the nozzle to avoid air entrapment. Avoid overlapping of sealant to eliminate entrapment of air during application.

Tooling and Finishing

Tool Sikaflex®-15 LM to ensure full contact with joint walls and remove air entrapment. Joint dimension should allow for 6 mm (1/4 in) minimum and 13 mm (1/2 in) maximum thickness for sealant. Proper design is 2:1 width to depth ratio.

Over Painting

Allow one (1) week cure at standard conditions when using Sikaflex®-15 LM in total water immersion situations and prior to over-painting.

CLEAN UP

Uncured material can be removed from equipment and tools using Sika Cleaning Wipes or a solvent, such as xylene. Strictly follow solvent manufacturer's warnings and instructions for use. Cured material can only be removed manually or mechanically.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

LEGAL NOTES

The information, and in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request or may be downloaded from our website at: www.sika.ca

Sika Canada Inc.

Head Office
601, avenue Delmar
Pointe-Claire, Quebec
H9R 4A9
1-800-933-SIKA
www.sika.ca

Other locations

Boisbriand (Quebec)
Brantford; Cambridge;
Sudbury; Toronto (Ontario)
Edmonton (Alberta)
Surrey (British Columbia)

Product Data Sheet

Sikaflex®-15 LM
August 2026, Version 01.01
020511010000000056