

SikaHyflex®-150 LM

One part, low modulus, hybrid sealant

Description	SikaHyflex®-150 LM is a premium-grade, high movement, fast curing, one component, non-sag, elastomeric, hybrid sealant. Meets ASTM C-920, Type S, Grade NS, Class 50, use NT, M, A, G, O
Where to Use	<ul style="list-style-type: none">■ For joints or gaps connecting dissimilar substrates – e.g. vinyl to concrete, aluminum to EIFS.■ Window Perimeter■ Expansion joints■ Curtain Wall construction■ For applications that require both paintability and adhesion to non-porous substrates■ When easy cold weather application is desired
Advantages	<ul style="list-style-type: none">■ Fast skin time■ Multi-substrate adhesion■ Superior UV resistance and weathering■ Color retention – white stays white■ Can be over-painted soon after application (once skin has formed)■ Very low VOC < 12g/L■ Non-staining
Packaging	10.1 fl. oz. Cartridge 20 fl. oz. Uni-pac sausage
Coverage	10.1 fl. oz. cartridge seals 12.2 linear ft. of 1/2 x 1/4 in. joint. 20 fl. oz. uni-pac sausage seals 24 linear ft. of 1/2 x 1/4 in. joint.

Typical Data (Material and Curing conditions @ 73°F (23°C) and 50% R.H.)

RESULTS MAY DIFFER BASED UPON STATISTICAL VARIATIONS DEPENDING UPON MIXING METHODS AND EQUIPMENT, TEMPERATURE, APPLICATION METHODS, TEST METHODS, ACTUAL SITE CONDITIONS AND CURING CONDITIONS.

Shelf Life:	1 year
Storage Conditions:	40°F (5°C) - 80°F (27°C), 50% RH. Condition Material to 65°F - 75°F before using
Application Temperature:	40° - 100°F. Sealant should be installed when joint is at mid-range of its anticipated movement
Service range:	-40° - 170°F
VOC:	12 g/L
Tack Free Time (ASTM C679):	<1 hr
Movement capability (ASTM C719):	+/- 50%
100% Modulus (ASTM D-412):	30 psi
Elongation (ASTM D-412):	1000%
Shore A Hardness (ASTM C661):	27
Stain and color change (ASTM C510):	None
Adhesion in peel (ASTM C794):	Aluminum 36.5 pli Glass 33.8 pli Concrete 31.0 pli
Weathering resistance:	Excellent

Construction



PRIOR TO EACH USE OF ANY SIKA PRODUCT, THE USER MUST ALWAYS READ AND FOLLOW THE WARNINGS AND INSTRUCTIONS ON THE PRODUCT'S MOST CURRENT PRODUCT DATA SHEET, PRODUCT LABEL AND SAFETY DATA SHEET WHICH ARE AVAILABLE ONLINE AT [HTTP://USA.SIKA.COM/](http://USA.SIKA.COM/) OR BY CALLING SIKA'S TECHNICAL SERVICE DEPARTMENT AT 800.933.7452 NOTHING CONTAINED IN ANY SIKA MATERIALS RELIEVES THE USER OF THE OBLIGATION TO READ AND FOLLOW THE WARNINGS AND INSTRUCTIONS FOR EACH SIKA PRODUCT AS SET FORTH IN THE CURRENT PRODUCT DATA SHEET, PRODUCT LABEL AND SAFETY DATA SHEET PRIOR TO PRODUCT USE.

How To Use

Surface Preparation

The substrate must be clean, dry, frost free, sound and free of any oils, greases or incompatible sealers, paints or coatings that may interfere with adhesion.

POROUS SUBSTRATES – clean by mechanical methods to expose a sound surface free of contamination and laitance.

NON-POROUS SUBSTRATES – for cleaning non-porous substrates, use two rag wipe method using alcohol, xylene or an approved commercial solvent. Allow solvent to evaporate prior to sealant application.

Priming

SikaHyflex®-150 LM is designed to obtain adhesion without the use of a primer; however, certain substrates may require a primer. Test by applying the sealant and/or primer sealant combination to confirm results and proposed application methods. *In the situation where primer is needed on porous surfaces use Sika Primer 429. For non-porous surfaces contact Technical Services for proper recommendation.

Application

The number of joints and the joint width should be designed for a maximum of $\pm 25\%$ movement of joint width at time of installation. The depth of the sealant should be $1/2$ the width of the joint. The maximum depth is $1/2$ inch (13mm) and the minimum is $1/4$ inch (6mm). To control joint depth, use closed cell polyethylene, non-gassing polyolefin or open cell polyurethane backer rod. If joint depth does not allow for backer rod, use polyethylene bond breaker tape to prevent three-sided adhesion. Closed cell backer rod should be 25% larger than joint width; do not compress more than 40%. Open cell should be compressed 40%. Do not use open cell rod in horizontal on grade joints or with E.I.F.S. Ready to use, apply using professional caulking gun. Do not open product container until preparation work has been completed. Apply sealant using consistent, positive pressure to force sealant into the joint. Tool sealant to create a concave joint shape and achieve maximum adhesion. Dry tooling is recommended. DO NOT use soapy water or other liquids when tooling.

Limitations

- SikaHyflex®-150 LM can be overpainted after a skin forms on the sealant
- When overcoating with water, oil and rubber based paints, compatibility and adhesion testing is essential. Rigid paints and coatings may lose adhesion to elastomeric sealants due to their inability to accommodate joint movement.
- Maximum depth of sealant must not exceed $1/2$ in.; minimum depth is $1/4$ in.
- Do not cure in the presence of curing silicone or polyurethane sealants.
- Use opened cartridges and uni-pac sausages the same day.
- When applying sealant, avoid air-entrapment.
- Since system is moisture-cured, permit sufficient exposure to air.
- Light colors can yellow if exposed to direct gas fired heating element.
- Do not tool with detergent or soap solutions.
- Do not use in contact with bituminous/asphaltic materials.
- Not intended for immersion.
- Not intended for structural glazing applications
- Sealant may be applied below freezing temperatures if substrates are completely dry, frost free and clean. Contact Technical Service for more information.
- Do not apply when substrate temperatures are below -20°F or above 130°F .
- Not recommended for horizontal vehicular traffic.
- Do not apply to substrates that bleed oil, plasticizers or solvent.
- Do not apply to damp or wet substrates.
- Lower temperature and humidity will extend tack free and cure rates.
- Allow treated wood to age six months before application.
- The ultimate performance of SikaHyflex-150 LM depends on good joint design and proper application with joint surfaces properly prepared.

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Prior to each use of any Sika product, the user must always read and follow the warnings and instructions on the product's most current Product Data Sheet, product label and Safety Data Sheet which are available online at <http://usa.sika.com/> or by calling Sika's Technical Service Department at 800-933-7452. Nothing contained in any Sika materials relieves the user of the obligation to read and follow the warnings and instruction for each Sika product as set forth in the current Product Data Sheet, product label and Safety Data Sheet prior to product use.

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