

PRODUCT DATA SHEET

SikaHyflex[®]-150 LM

ONE PART, LOW MODULUS, HYBRID SEALANT

PRODUCT 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.

USES

- 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

CHARACTERISTICS / ADVANTAGES

- Fast skin time (< 60 min)
- Excellent adhesion to porous and non porous substrates
- Superior UV resistance and weathering
- Color retention – white stays white
- Can be over-painted immediately after application.
- Very low VOC < 12g/L
- Non-staining

PRODUCT INFORMATION

Packaging	10.1 fl. oz. (300 ml) cartridge 20 fl. oz. (600 ml) uni-pac sausage
Shelf Life	12 months
Storage Conditions	Store dry between 40 °F (5 °C) and 80 °F (27 °C) at 50 % R.H. Condition Material to 65–75 °F (18–24 °C) before using.
Volatile organic compound (VOC) content	12 g/L

TECHNICAL INFORMATION

Shore A Hardness	27	(at 73 °F (23 °C) and 50 % R.H) (ASTM C-661)
Tensile Stress at Specified Elongation	30 psi at 100 %	(at 73 °F (23 °C) and 50 % R.H) (ASTM D-412)

Elongation at Break	1,000 %	(at 73 °F (23 °C) and 50 % R.H.) (ASTM D-412)
Adhesion in Peel	Aluminum	36.5 pli (at 73 °F (23 °C) and 50% R.H.)
	Glass	33.8 pli
	Concrete	31.0 pli (ASTM C-794)
Movement Capability	± 50 %	(at 73 °F (23 °C) and 50 % R.H.) (ASTM C-719)
Resistance to Weathering	Excellent	
Colour Stability	Stain and color change: None	(ASTM C-510)
Service Temperature	-40–170 °F (-40–77 °C)	

APPLICATION INFORMATION

Coverage	10.1 oz (300 ml) Cartridge: Yield in Linear feet			
	Width/Depth	1/4"	3/8"	1/2"
1/4"	24.3			
3/8"	16.2	10.8		
1/2"	12.1	8.1	6.1	
3/4"	8.1	5.4	4.0	
1"			3.0	
1.25"			2.4	
1.5"			2.0	

Coverage	20 oz (600 ml) Sausage: Yield in Linear feet			
	Width/Depth	1/4"	3/8"	1/2"
1/4"	48.1			
3/8"	32.1	21.4		
1/2"	24.1	16.0	12.0	
3/4"	16.0	10.7	8.0	
1"			6.0	
1.25"			4.8	
1.5"			4.0	

Ambient Air Temperature	40–100 °F (4–38 °C). Sealant should be installed when joint is at midrange of its anticipated movement.	
Tack Free Time	< 1 h	(at 73 °F (23 °C) and 50 % R.H.) (ASTM C-679)

APPLICATION INSTRUCTIONS

SUBSTRATE 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 METHOD / TOOLS

The number of joints and the joint width should be designed for a maximum of ± 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 in. (13 mm) and the minimum is 1/4 in. (6 mm). 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 immediately after sealant is applied.
- 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. (12.7 mm); minimum depth is 1/4 in. (6.3 mm).
- 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 before final sealant cure.
- 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 (-4 °C) or above 130 °F (54 °C).
- 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.

BASIS OF PRODUCT DATA

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

OTHER RESTRICTIONS

See Legal Disclaimer.

ENVIRONMENTAL, HEALTH AND SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

LEGAL DISCLAIMER

- KEEP CONTAINER TIGHTLY CLOSED
- KEEP OUT OF REACH OF CHILDREN
- NOT FOR INTERNAL CONSUMPTION
- FOR INDUSTRIAL USE ONLY
- FOR PROFESSIONAL USE ONLY

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates ("SIKA"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at usa.sika.com or by calling SIKA's Technical Service Department at 1-800-933-7452. Nothing contained in any SIKA literature or 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 label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

SIKA warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within the product's shelf life. User determines suitability of product for intended use and assumes all risks. User's and/or buyer's sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs.

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