BUILDING TRUST
CONSTRUIRE LA CONFIANCE

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 C920, Type S, Grade NS, Class 50, use NT, M, A, G, O.

WHERE TO USE

- For joints or gaps connecting dissimilar substrates, such as: vinyl to concrete, aluminium to EIFS.
- Window perimeter
- Expansion joints
- Curtain wall construction
- For applications requiring both paintability and adhesion to non-porous substrates
- When easy cold weather application is desired

CHARACTERISTICS / ADVANTAGES

- Fast skin formation time allowing to over-paint early after application
- Multi-purpose sealant bonding to many types of substrates
- Superior UV resistance and weathering offering excellent durability
- Excellent colour retention (white stays white) allowing to maintain an attractive look
- Non-staining thus preserving aesthetics and appearance of substrate exposed surfaces
- Very low VOC

PRODUCT INFORMATION

CSC MasterFormat®	**07 92 13 | ELASTOMERIC JOINT SEALANTS**
Packaging	600 mL Uni-pac sausage
Colour	Aluminium grey, Limestone, Off-white, White and other colours available upon demand
Shelf Life	1 year
Storage Conditions	Store at temperatures between +5 °C and +27 °C, 50 % R.H. Condition Material to 18 °C - 23 °C before using.
Volatile organic compound (VOC) content	12 g/L

TECHNICAL INFORMATION

Shore A Hardness	27	(ASTM C661)

Modulus of Elasticity in Tension	0.20 MPa		(ASTM D412)
Elongation	1000 %		(ASTM D412)
Adhesion in Peel	Aluminium	6.2 N/mm	(ASTM C794)
	Glass	5.9 N/mm	
	Concrete	5.4 N/mm	
Movement Capability	± 50 %		(ASTM C719)
Resistance to Weathering	Excellent		
Colour Stability	Stain and colour change: None		(ASTM C510)
Service Temperature	-40 °C to +76 °C		

APPLICATION INFORMATION

Yield	600 mL Uni-pac sausage seals 7.3 linear metres of 13 mm x 6 mm joint.	
Ambient Air Temperature	4 °C - 37 °C. Sealant should be installed when joint is at mid-range of its anticipated movement.	
Tack-free time	< 1 h	(ASTM C679)

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.
Product properties tested at 23 °C (73 °F) and 50 % R.H. unless stated otherwise.

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 13 mm; minimum depth is 6 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 colours 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 Sika Canada for more information.
- Do not apply when substrate temperatures are below -4 °C or above 54 °C.
- Not recommended for horizontal vehicular traffic.
- Do not apply to substrates that bleed oil, plasticizers or solvents.
- Do not apply to damp or wet substrates.
- Lower temperatures and humidity will extend tack-free and cure rates.
- Allow treated wood to age six (6) months before application.
- The ultimate performance of SikaHyflex®-150 LM depends on good joint design and proper application with joint surfaces properly prepared.

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 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 combined with 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 Sikaflex® Primer-429. For non-porous surfaces, contact Sika Canada 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 half (½) the width of the joint. The maximum depth is 13 mm and the minimum is 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.

CLEAN UP

Uncured material can be removed from equipment and tools using Sika® Urethane Cleaner and Thinner. 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

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