

PRODUCT DATA SHEET

SikaHyflex®-407 EverFlash Universal

Universal Flashing and Weather Barrier Sealant

PRODUCT DESCRIPTION

SikaHyflex®-407 EverFlash Universal is a one-component, hybrid technology, non-sag, flexible, flashing and weather barrier sealant designed for primerless adhesion to the most challenging substrates found in the building envelope such as peel & stick window and flashing membranes. Meets ASTM C920, Type S, Grade NS, Class 12.5, use NT, G, A, O, M.

USES

- Peel & stick window flashing and wraps.
- Nonwoven spunbound window flashing and wraps.
- Polyethylene wraps and surfaces, polypropylene surfaces and common polyolefins.
- PVC, steel, metal, aluminum and glass.
- All connection details specified for the building envelope to achieve a weather tight building.
- Between flanged windows and weather barriers.
- Termination and transition seals where flashing meets the building envelope.
- Window and door perimeters where movement is applicable.
- Connections between the building envelope wrap and roofing systems.
- Asphaltic/bituminous surfaces that would normally bleed with polyurethane sealants.
- Sealing around penetrations in weather/air barrier and flashing materials.
- Self adhered air and vapor barrier field-cut edges, T-joints, reverse laps and terminations.

CHARACTERISTICS / ADVANTAGES

- Unprimed adhesion to challenging, low surface tension surfaces such as polyethylene, polypropylene and polyolefins.
- Compatible with bituminous and asphalt based materials – will not cause bleeding.
- Excellent long term UV and weatherability.
- Can be painted over with most acrylic coatings.

PRODUCT INFORMATION

Packaging	20 fl.oz. (600ml) sausages, case of 20
Color	Bronze

Shelf Life	12 months in unopened containers.
Storage Conditions	Store dry at 40–95 °F (4–35 °C). Condition material to 65–75 °F before using.

TECHNICAL INFORMATION

Shore Hardness	30	(73 °F (23 °C) and 50 % R.H.) (ASTM D-412)
Tensile Strength	200 psi	(73 °F (23 °C) and 50 % R.H.) (ASTM D-412)
Elongation at Break	250 %	(73 °F (23 °C) and 50 % R.H.) (ASTM D-412)
Adhesion in peel	See SikaHyflex-407 EverFlash Universal Adhesion Chart	
Service Temperature	-40 to 170 °F (-40–75 °C).	

APPLICATION INFORMATION

Coverage	20 oz 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 1/4"			4.8
	1 1/2"			4.0

Ambient Air Temperature	40 to 100 °F. Sealant should be installed when joint is at midrange of its anticipated movement.
Substrate Temperature	40 to 100 °F. Sealant should be installed when joint is at midrange of its anticipated movement.
Curing Rate	Tack-Free Time (TT-S-00230C) 30-90 min depending on climate Cure depth 0.16" / 24 hours

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.

LIMITATIONS

- Avoid contact with alcohol and other solvent cleaners during cure.
- Do not apply when moisture-vapor-transmission condition exists from the substrate as this can cause bubbling within the sealant.
- Use opened sausages the same day.
- When applying sealant, avoid air-entrapment.
- Since system is moisture-cured, permit sufficient exposure to air.
- The ultimate performance of SikaHyflex®-407 EverFlash Universal depends on proper application, good design and proper surface preparation.
- Not for use in expansion joints.

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.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

All surfaces must be sound, clean, dry, and free of frost, oil and grease. Curing compound residues and any other foreign matter must be thoroughly removed. Priming is not usually necessary for anodized aluminum, steel, non-absorbent materials such as glass, ceramics, stoneware and tiles. Consult Technical Service at 1-800-933-SIKA for additional information on priming.

APPLICATION METHOD / TOOLS

Recommended application temperatures: 40–100 °F. For cold weather application, condition material to 65–75 °F before using.

Sealing Lap Joints and Transitions:

When used to seal lap joints and transitions between two flashing or other materials, apply SikaHyflex®-407 EverFlash Universal such that there is ¼–3/8 inch (6–10 mm) of sealant on each side of the lap joint and minimum 1/8 inch (3 mm) sealant depth. Tool sealant with uniform pressure to ensure proper wetting to all surfaces requiring sealant.

Tooling and Finishing

Tool as required with a dry putty knife, trowel or spatula to ensure full contact with joint walls and remove air entrapment.

Removal

In case of spills of leaks, wear suitable protective equipment, contain spill, collect with absorbent material, and transfer to suitable container. Ventilate area. Avoid contact. Dispose of in accordance with current, applicable local, state, and federal regulations. In case of emergency, call chemtrec 1-800-424-9300.

OTHER RESTRICTIONS

See Legal Disclaimer.

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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