

PRODUCT DATA SHEET

Sika Boom[®]

ONE-COMPONENT, POLYURETHANE FOAM

PRODUCT DESCRIPTION

Sika Boom[®] is a pre-pressurized, portable, one-component, polyurethane foam system applied in a bead form. Sika Boom[®] expands and cures slowly to a semi-rigid, closed cell foam upon reaction with moisture, such as ambient humidity. It is designed for easy dispensing through a straw adapter that is included with each can.

USES

- On any clean surface to fill, insulate and seal around gaps, beneath base plates, mudsills, top plate penetrations, corner joints, T-joints, exterior cracks, around utility panels, pipes, duct penetrations, etc.
- For dispensing as a bead for filling cracks, crevices, and to fill smaller cavities.

CHARACTERISTICS / ADVANTAGES

- Tack-free in approximately 5 minutes or less, based on moisture/temperature conditions.
- Fully cures within 12 to 24 hours.
- Cured foam can be sanded, painted or covered
- Cured foam is resistant to heat and cold.
- Adheres to most building materials.
- Expands 2 to 3 times its original size.

PRODUCT INFORMATION

Packaging	12 oz. can, 12/carton. 20 oz. can, 12/carton
Color	Light yellow
Shelf Life	18 months.
Storage Conditions	Store in a cool, dry area. Do not expose to open flame or temperatures above 120 °F (49 °C). Store at room temperature before use.
Density	1.10 lbs/ft ³ (19.2 kg/m ³) (ASTM D-1622)

TECHNICAL INFORMATION

Compressive Strength	8.17 psi (56.2 kPa) - parallel to rise (ASTM 1621)
Tensile Strength	12 psi (83 kPa) - parallel to rise (ASTM 1623)

Dimensional Stability	± 5 %	(ASTM 2126)
Resistance to Fire	Flame Spread: 25 Smoke Developed: 50	(ASTM E84)
Service Temperature	-200 °F to 240 °F (-29 °C to 93 °C)	

APPLICATION INFORMATION

Coverage	12oz can = 1/4" Bead (6 mm) = 1,996 ft. (608 m)	20oz can = 1/4" Bead (6 mm) = 3,317 ft. (1,011 m)
	12oz can = 3/8" Bead (9 mm) = 887 ft. (270 m)	20oz can = 1/4" Bead (6 mm) = 1,474 ft. (499 m)
	12oz can = 1/2" Bead (12 mm) = 499 ft. (152 m)	20oz can = 1/4" Bead (6 mm) = 829 ft. (253 m)
Ambient Air Temperature	40 °F (18 °C) and 120 °F (38 °C)	
Substrate Temperature	40 °F (18 °C) and 120 °F (38 °C)	
Cure Time	12–24 hours	
Cutting Time	1 hour (1" Bead at room conditions)	
Tack Free Time	Approx. 5 minutes	

APPLICATION INSTRUCTIONS

For the application of Sika Boom® all generally accepted rules of building and construction apply.

SUBSTRATE PREPARATION

Substrate must be clean, firm, free of loose particles and free of dust, grease, mold release agents. Protect surfaces not to be foamed. Shake can before using. For best results in cavities larger than 3 inches in diameter, dampen substrate to supplement atmospheric pressure humidity in affecting consistent cure throughout applied foam.

APPLICATION METHOD / TOOLS

After following instruction for set-up, can is ready to use. The foam sealant flow can be metered by means of tilting the one piece straw adapter with the valve pointing downwards. By activating the adapter lever carefully, the extrusion rate can be regulated. Foam application can be interrupted when needed, as outlined in the instructions. Sika Boom® is especially useful for irregular voids and on nonlinear cracks and crevices, as foam will expand up to 200 % during curing process. Filling excessively large cavities can result in a prolonged curing process. Also, insufficient air or substrate moisture during cure may cause delayed expansion.

LIMITATIONS

- Not resistant to UV rays unless painted, covered or coated.
- Will not adhere to polyethylene, Teflon, silicone, oils and greases, mold release agents and similar materials.

- Do not expose to open flame or temperatures above 120 °F (49 °C). Excessive heat can cause shorter shelf life.
- Not intended as a firestop.
- Do not use where temperatures rise above 240 °F (116 °C).

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. **NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.**

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