



PRODUCT DATA SHEET

SikaBond® Construction Adhesive

ONE PART, ADVANCED POLYURETHANE, ELASTOMERIC ADHESIVE

PRODUCT DESCRIPTION

SikaBond® Construction Adhesive is a one-component, durable and flexible exterior polyurethane adhesive. It has excellent adhesion on all cement-based materials, brick, ceramics, glass, metals, and wood.

USES

As an elastic adhesive for:

- Paver caps, masonry veneer and faux stone
- Submerged applications (ex. Pond)
- Net tile installation
- Floor moldings and door sills
- Light weight construction materials
- Wood or metal window and door frames

CHARACTERISTICS / ADVANTAGES

- Excellent adhesion on all cement-based materials, brick, ceramics, glass, metals, and wood
- Fast cure rate
- Waterproof and water immersible after cure
- Good weathering resistance
- Non-corrosive
- Can be painted over with water, oil, and rubber-based paints. (Preliminary tests recommended)
- High durability and flexible
- Can be used to fill in gaps, Gray in color.

PRODUCT INFORMATION

Packaging	10.1 fl. oz. (299 ml) moisture proof composite cartridge, 12/case
Color	Gray
Shelf Life	12 months in original, unopened container
Storage Conditions	Store at 40 to 95 °F (4 to 35 °C). Condition material to 65 to 75 °F (18 to 24 °C) before using

TECHNICAL INFORMATION

Tensile Strength	225 psi	(ASTM D-412) Tested at: 73 °F (23 °C) 50 % R.H.
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Elongation at Break	600%	(ASTM D-412) Tested at: 73 °F (23 °C) 50 % R.H.
Chemical Resistance	Good resistance to water, diluted acids, and diluted alkalines. Consult Technical Service for specific data	
Service Temperature	-40 to 170 °F (-4 to 77 °C)	
Resistance to Weathering	Excellent	

APPLICATION INFORMATION

Coverage	10.1 fl . oz. cartridge yields 12.2 lineal ft. of 1/2 in. x 1/4 in. bead 29 fl . oz. cartridge yields 35 lineal ft. of 1/2 in. x 1/4 in. bead	
Ambient Air Temperature	40 to 100 °F (4 to 38 °C)	
Curing Time	5 to 7 days	
Skin Time	2 hours (depends on temperature and humidity)	(TT-S-00230C) Tested at: 73 °F (23 °C) 50 % R.H.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

Clean all surfaces. Surface must be sound, clean, dry, frost-free, and free of 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.

APPLICATION METHOD / TOOLS

Recommended application temperatures: 40 to 100 °F (4 to 38 °F). For cold weather application, condition material to 65 to 75 °F (18 to 24 °C) before using. Cut plastic tip of nozzle to desired size and puncture airtight seal at base of tip. Force adhesive onto bonding surface. Use as spread, bead or for spot bonding. Heavier substrates may require additional support during the cure period.

LIMITATIONS

- Allow a minimum of 1 week cure at standard conditions when using SikaBond Construction Adhesive, in total water immersion situations
- Low temperature and humidity will slow the cure of the sealant
- Avoid exposure to high levels of chlorine. (Maximum level is 5 ppm)
- Avoid contact with alcohol and other solvent cleaners during cure
- Since system is moisture-cured, permit sufficient exposure to air
- Can tend to yellow slightly when exposed to ultraviolet rays
- Do not use on PVC based material
- Will not bond to polyethylene, polypropylene, and polystyrene
- Do not use on tar, bituminous or asphaltic-based surfaces. Not for use in expansion joints
- Avoid contact with silicone or high solvent based sealers/paints
- Will **NOT** bond to polyethylene, polypropylene and polystyrene surfaces

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.

LOCAL RESTRICTIONS

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 instructions for each Sika product for each Sika product as set forth in the current Product Data Sheet, product label and Safety Data Sheet prior to product use.

ECOLOGY, HEALTH AND SAFETY

Keep container tightly closed. Keep out of reach of children. Not for internal consumption. For industrial use only. For professional use only. For further information and advice regarding transportation, handling, storage and disposal of chemical products, users should refer to the actual Safety Data Sheets containing physical, ecological, toxicological and other safety related data. Read the current actual Safety Data Sheet before using the product. In case of emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

LEGAL NOTES

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. 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 shelf life. User determines suitability of product for intended use and assumes all risks. Buyer's sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor. 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. Sale of Sika products are subject to Sika's terms and conditions of sale available at <http://usa.sika.com/> or by calling 201-933-8800.

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Product Data Sheet
SikaBond® Construction Adhesive
June 2018, Version 01.01
020513010000000011

SikaBondConstructionAdhesive-en-US-(06-2018)-1-1.pdf

