

## 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

<b>Packaging</b>	10.1 fl. oz. (299 ml) moisture proof composite cartridge, 12/case 29 fl. oz. (858 ml) moisture proof composite cartridge, 6/case
<b>Color</b>	Gray
<b>Shelf Life</b>	12 months in original, unopened container
<b>Storage Conditions</b>	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

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

## APPLICATION INFORMATION

<b>Coverage</b>	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	
<b>Ambient Air Temperature</b>	40 to 100 °F (4 to 38 °C)	
<b>Cure Time</b>	5 to 7 days	
<b>Skin Time</b>	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 non-absorbent materials such as anodized aluminum, steel, glass, ceramics, stoneware and tiles.

### APPLICATION METHOD / TOOLS

Recommended application temperatures: 40 to 100 °F (4 to 38 °C). 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
- Preliminary tests are recommended prior to using on porous decorative materials such as marble and other natural stones (prevent staining)

## 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](http://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.

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