



## 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/sealant. It has excellent adhesion on all cement-based materials, brick, ceramics, glass, metals, and wood.

### WHERE TO USE

- Paver caps, masonry veneer and faux stone
- Submerged applications (ex. ponds)
- Mesh mounted tiles
- 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 seal gaps

### PRODUCT INFORMATION

Packaging	300 mL cartridges: 12/case and 858 mL cartridges: 6/case (moisture-proof composite cartridges)
Colour	Grey
Shelf Life	12 months in original, unopened container.
Storage Conditions	Store at temperatures between 4 and 35 °C (40 and 95 °F). Condition material at temperatures between 18 and 24 °C (65 and 75 °F) before using.
Volatile organic compound (VOC) content	33 g/L

### TECHNICAL INFORMATION

Tensile Strength	1.55 MPa (225 psi)	(ASTM D412)
Elongation at Break	600 %	(ASTM D412)

<b>Chemical Resistance</b>	Good resistance to water, diluted acids, and diluted alkalines. Consult Sika Canada for specific data.
<b>Service Temperature</b>	-40 to 77 °C (-40 - 170 °F)
<b>Resistance to Weathering</b>	Excellent

## APPLICATION INFORMATION

<b>Yield</b>	300 mL cartridge yields 3.72 lin m (12 lin ft) of 12.7 mm (1/2 in) x 6.35 mm (1/4 in) joint. 858 mL cartridge yields 10.7 lin m (35 lin ft) of 12.7 mm (1/2 in) x 6.35 mm (1/4 in) joint.
<b>Ambient Air Temperature</b>	4 to 38 °C (40 to 100 °F)
<b>Substrate Temperature</b>	4 to 38 °C (40 to 100 °F)
<b>Curing Time</b>	5 to 7 days
<b>Skimming time</b>	2 hours (depends on temperature and humidity) (TT-S-00230C)

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

## LIMITATIONS

- Allow a minimum of one (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 product.
- 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).

## 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

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

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: 4 to 38 °C (40 to 100 °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.

### CLEAN UP

Clean all tools and equipment with Sika® Urethane Thinner and Cleaner. Once hardened, product can only be removed 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

The information, and in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request or may be downloaded from our website at: [www.sika.ca](http://www.sika.ca)

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