

PRODUCT DATA SHEET

SikaBond® Construction Adhesive

ONE PART, ADVANCED POLYURETHANE, ELASTOMERIC ADHESIVE

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
Colour	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.
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

Yield	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	
Skinning 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.

IMPORTANT CONSIDERATIONS

- 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

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

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 the exact product data and uses.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

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 written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. 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.

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