

PRODUCT DATA SHEET

SikaBond®-910 Construction Adhesive

ONE PART, ADVANCED POLYURETHANE, ELASTOMERIC ADHESIVE

PRODUCT DESCRIPTION

SikaBond®-910 Construction Adhesive is a one-component, durable and flexible interior and 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
- Glue assist installations (to assist with the nailing schedule of wood flooring)

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 are recommended)
- High durability and flexible
- Can be used to fill in gaps, gray in color

PRODUCT INFORMATION

Chemical Base	1-component, moisture cured polyurethane
Packaging	▪ 10.1 fl. oz. (299 ml) moisture proof composite cartridge, 12/case ▪ 20 fl. oz. (600 ml) moisture proof foil sausage, 20/case ▪ 29 fl. oz. (858 ml) moisture proof composite cartridge, 6/case
Color	Gray
Shelf Life	12 months from the date of production if stored properly
Storage Conditions	The product must be stored in original, unopened and undamaged sealed packaging in dry conditions and protected from direct sunlight at temperatures between 40°F and 95°F (4°C and 35°C). Condition material between 65°F and 75°F (18°C and 24°C) before using.

TECHNICAL INFORMATION

Tensile Strength	~225 psi (~1.55 MPa) at 73°F (23°C) and 50% RH	(ASTM D412)
Elongation	~600% at 73°F (23°C) and 50% RH	(ASTM D412)
Chemical Resistance	Good resistance to water, diluted acids and diluted alkalines. Consult Technical Service for specific data.	
Resistance to Weathering	Excellent	
Service Temperature	-40°F to 170°F (-40°C to 77°C)	

APPLICATION INFORMATION

Coverage	▪ 10.1 fl. oz. cartridge yields ~12.2 lineal ft. of 1/2 in. x 1/4 in. bead ▪ 20 fl. oz. sausage yields ~24 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°F to 100°F (4°C to 38°C)	
Curing Rate	5 to 7 days	
Skin Time	1-2 hours at 73°F (23°C) 50% RH	(TT-S-00230C)
	Skin time depends on temperature and humidity	

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.

LIMITATIONS

- Allow a minimum of 1 week cure at standard conditions when using SikaBond®-910 Construction Adhesive, in total water immersion situations.
- Low temperature and humidity will slow the cure of the adhesive.
- 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.
- Do not use on tar, bituminous or asphaltic-based surfaces.
- Will not bond to polyethylene, polypropylene, and polystyrene.
- 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).

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.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

- Surface must be structurally sound, clean, dry, frost-free, and free of dirt, loose particles, 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°F to 100°F (4°C to 38°C).
- For cold weather application, condition material to 65°F to 75°F (18°C 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.

CLEANING OF TOOLS

Clean all tools and equipment immediately after use with a dry cloth; xylene, mineral spirits or acetone may also be used. Cured material must be mechanically removed.

OTHER RESTRICTIONS

See Legal Disclaimer.

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.

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Conditions of Sale which are available at <https://usa.sika.com/en/about-us/terms-conditions-of-sale.html> or by calling 1-800-933-7452.

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